

4.3.4 About Inventory Logistical Management (ILM)

ILM helps the M&O staff at the DAACs, EOC, and SMC to maintain records that describe all inventory components and their assembly structures and interdependencies. The database maintained by this tool, keeps chronological histories (a record of the transactions) of receipt, installation, and relocation of inventory items.

ILM is a set of automated tools that will assist the Procurement, Property Management, Maintenance, and Logistics teams in managing the tangible property of NASA's EOSDIS project. ILM is a heavily customized application developed utilizing the commercially available package XRP-II (Product Information and Inventory Management Modules). XRP-II is a manufacturing management system and its customization supports the required capabilities and functions of ECS. The application contains other functions beside the ILM tools. The ECS Management System Main Menu has selections for the Baseline Management tool which is not part of ILM. This menu also has selections for functions that are reserved for system administrators.

XRP-II is a legacy based application. The application consists of a hierarchical menu screen structure and an imbedded COTS database (UNIFY). The hierarchical menu structure is built upon character oriented, mainframe computer terminal screens. The vendor has customized the original screens to be ECS specific. The menu screens must be navigated to reach the appropriate ILM function. The lowest level of the structure is a function data screen that displays data and/or accepts data input for the function selected through the menu navigation process. The database provides a transaction oriented environment for data input and modification. While an operator is logged in to the XRP-II program they are engaged in a database session. Additions and modifications are not final until the operator specifies to store the screen or the session is ended by logging off.

Use of the ILM tool involves considerations of the ECS business rules and general logistics concepts as applied on the ECS project. The tool is designed to incorporate these considerations as part of the navigation process and functional capabilities of the tool. This document does not include a discussion of these considerations. For a complete understanding of the ILM functions the operators will have to familiarize themselves with these topics. Some basic logistics definitions are provided below.

Each inventory item is identified by a unique Equipment Inventory Number (EIN), and in case of hardware items a physical silver sticker with the EIN is placed on the item. The most significant relationship maintained among inventory items is product structure. Product structure is the XRP-II term for the parent-component pairings that define the ingredients – or bill of material -- for an assembly. Product structures have corresponding active and inactive dates that establish the timeframe during which the pairing is in effect, and they can reference Work Orders. XRP-II's Work Order capabilities enable product structure changes to be grouped, reported, checked, and approved before they go into effect. They also facilitate tracking control item changes by a related configuration change request and/or trouble ticket. Sections 1.6.2 and 4.1 of the XRP-II Product Information Manual discuss product structures in more detail.

Table 4.3.4-1 summarizes the operator functions supported. The sections that follow present how to use the customized features of ILM. Each user/operator is assigned to a work group and the ILM menu options available are controlled based on the individual's role. The following roles currently exist within ILM:

- ILMADMIN All functions within the ILM
- ILMLOG ILM Logistics User
- ILMMAINT ILM Maintenance User
- ILMQUERY ILM User with query privileges only
- ILMUPDT ILM User with update privileges only
- ILMUSER All ILM functions except ILM system administration privileges.

Additionally there is an XRP administrator (XRPADM) who will have all privileges and is responsible for the operation of the XRP application.

There are separate manuals describing the functions of the XRP and ILM administrators. These administrators may use functions in the System Utilities Menu or Systems Tools selections from the ECS Management System Main Menu.

Customization of individual operator privileges is done on an as needed basis by an ILM system Administrator. The system tools provide the functions to revise the users privileges.

Table 4.3.4-1. Common ECS Operator Functions Performed with ILM

Operating Function	Character-based User Interface	Description	When and Why to Use
ILM tool selection	ILM Main Menu from ECS Management System	After the user has logged into XRP-11 (see section 4.3.4.1.1) based on the users role, the starting menu will be presented. In this summary, the functions available and the order of menu presentation is defined for the user with the authorization to perform all of ILM functions.	To perform any of ILM functions for property management, inventory ordering, purchase order processing, property maintenance, or system management configuration.
Property Management	EIN Menu, EIN Transactions, or ILM Report Menu from ILM Main Menu	Maintain information for property items, their structure and inter-relationship.	Entering information for new items, modifying information, defining and maintaining the structure of the properties that are composites (bill of material), installation and relocation of property.
Inventory Ordering	Inventory Ordering Menu from ILM Main Menu	Define and manage ordering information for the inventory items.	Establish order point and monitory inventory levels.
Purchase Order Processing	PO / Receiving Menu from ILM Main Menu	Purchase order preparation and monitoring receipt of inventory items.	Generate purchase order and record receipt of inventory.
Property Maintenance	Maintenance Menu Menu from ILM Main Menu	Manage information for required repairs and preventive maintenance.	Predefine scheduled maintenance, recording and monitory
ILM Configuration	ILM Master Menu from ILM Main Menu	Manage configuration information for ILM.	ILM administrative function to define and maintain parameters required by ILM, maintain user information, export and import ILM information.

General Information

Using XRP

- The XRP application is case sensitive. It interprets data exactly as it is entered and takes the case of your input string into account. If something is in UPPER CASE, follow convention and put the request or data entry into UPPER CASE too.

- Pressing the <ENTER> key after each entry is required. Otherwise, the data entered may not be processed.
- The XRP application user interface is character based (not GUI). Navigation, selection, and moving is handled by keys. Each user interface screen has a set of active bottom line commands defining the keyboard letters, or function keys for activating functions or commands.
- **Your mouse doesn't work with ILM.** ILM is not GUI driven consequently there is no cutting or pasting, placing the mouse pointer on an item and double clicking, etc. ILM is a character based system that requires you to enter information, use bottom line commands, and press keys to start functions or commands.
- **Above all, BE PATIENT** until you get use to using ILM. ILM is a good tool and it will perform the tasks required of it in a timely fashion. As your expertise grows with the tools, your abilities to get at and process more data will improve as well.

ILM System

- The ILM System was designed to assist in the tracking of Government Property items for each site and in a consolidated manner.
- The ILM System is a character based, menu driven system based upon the UNIFY data base.
- Each screen provides the user with simple and quick one or two keystroke commands to control entry and editing of data.
- System administrators have the ability to easily modify screens, menus, and reports to meet changing requirements and individual user needs.
- Included are functions for transferring data between sites and the SMC.
- Reports and screens at the SMC can provide consolidated views of material and requirements.

The following manuals provide additional detailed information on XRP-II:

- XRP-II System Reference Manual - presents an overview of XRP-II and describes system-related functions associated with using it.
- XRP-II Product Information Manual - presents a full description of XRP-II's product information module in context of XRP-II's integrated set of manufacturing-oriented applications.
- XRP-II Datalook/Datarite Reference Manual - presents a technical reference for the on screen database editor (DATALOOK) and report generator (DATARITE) incorporated in XRP-II and used to create custom screens and reports.

- XRP-II Tools, Techniques, and Conventions Manual - presents a description of methods and utilities an XRP-II support engineer would use to perform low-level maintenance on XRP-II's database, screens, and reports.
- UNIFY Developer's Reference - presents a guide with examples for using UNIFY's tools to develop database applications. It also describes many UNIFY messages.
- UNIFY Direct HLI Programmer's Manual - presents a technical reference for programmers of UNIFY RDBMS applications and contains a summary of UNIFY's error log file and common error messages.

Refer to ESDIS and ECS configuration management plans and procedures for definitions of such terms as baseline, configuration item, control item, and configured article used in this document.

4.3.4.1 Quick Start Using ILM and CHUI Overview

ILM inherited a character-based user interface from the XRP-II application which employs screens for data entry and report generation, and menus for navigating to the screens. Data is entered via the keyboard in fields that are traversed from left to right, row by row. On data entry screens, labels for fields whose values can be modified are displayed in upper case; those that can not are in initial caps. The database is updated every time a field's value changes, and a record of that change is written to a transaction log.

Most data entry screens have a form and a table view. Form views offer full screen layouts of a data record's fields, whereas table views offer rows of records in a window that is panned to see columns of fields. Some screens' table views, however, contain fewer fields than their corresponding form views caused by system limitations on a table view's panes.

Numerous functions can be performed on the data entry screens. Commands available to an operator are screen-dependent and are listed near the bottom of each screen (hence their name: bottom-line commands). The **More** command helps the operator cycle through them. Most bottom-line functions are described in the XRP-II System Reference Manual Section 2.6 and XRP-II Product Information Manual. Any that were added for ILM are described in the sections below along with the screens to which they pertain. The terminology used can be confusing. "Mode" is used in two separate ways: 1) as used in the next paragraph to describe data impact, and 2) the F4-mode of keyboard impact on the selected field in the display.

It is important to note that the UNIFY database management system XRP-II uses does not support rules requiring entries in specific fields. ILM attempts some enforcement via the data entry screens, either by establishing default values where feasible when new records are created, or by blocking an operator from cursoring past a null field when in Add, Insert, or Modify modes. However, database updates can occur in ways that bypass these mechanisms, so operators must ensure required data gets entered. The sections below identify the few fields which require entries.

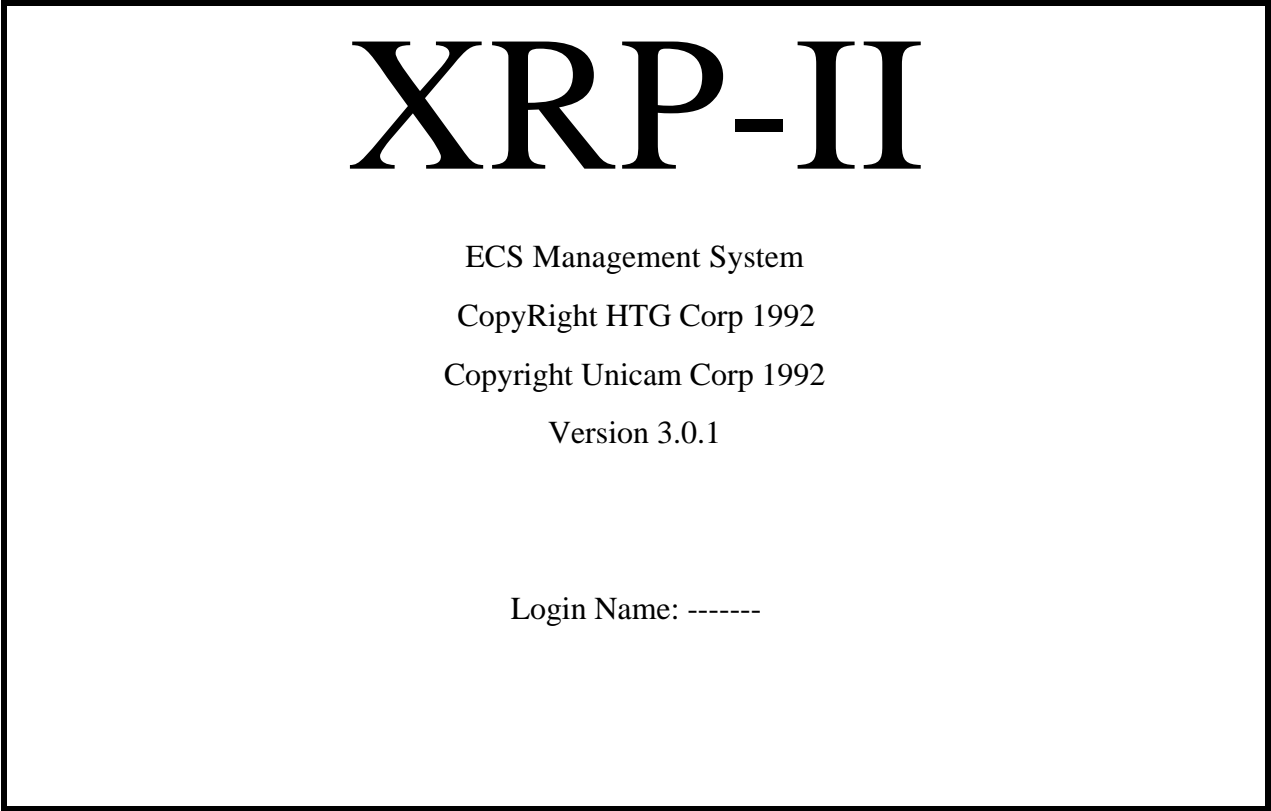
4.3.4.1.1 Invoke ILM

After logging into the appropriate server, the authorized users can invoke ILM by entering the script shown in Figure 4.3.4-2 at the command line. This script solicits the identify of the

operator's workstation. When prompted the operator must provide either the workstation name or it's IP address. This information is normally posted on a sticker on the workstation monitor. The script then starts XRP-II, passing it the operator's userid which it obtains from the system. On the first XRP-II screen, the user must provide the login ID and password to initiate the ILM menu, Figure 4.3.4-1.

Upon entering a valid userid and password the initial screen will be displayed. The initial screen is associated with a specific userid/password. ILM users will be assigned to Groups according to the role for which their userid/password is valid. ILM privileges are dependent on the Group assignment. ILM privileges include function selections, data modification capability, report selection. These assignments are made in the "users" configuration file described in section D.5 of the XRP-II System Reference Manual. The ILM administrator have the authorization to modify the content of this file. *The configurability of initial screen, screen modes, and function selection may result in the display of a data screen that is not exactly as shown in the presentation below.*

All ILM menus are similar in appearance and function the same way. Only the titles and selections vary. Refer to Chapter 2 of the XRP-II System Reference Manual to familiarize yourself with using the menus and screens.

The image shows a login screen for the XRP-II system. It features a large, bold title 'XRP-II' at the top. Below the title, the text 'ECS Management System' is displayed. This is followed by two lines of copyright information: 'CopyRight HTG Corp 1992' and 'Copyright Unicam Corp 1992'. Below the copyright information, the version number 'Version 3.0.1' is shown. At the bottom of the screen, there is a prompt 'Login Name: -----' followed by a series of dashes for user input. The entire screen is enclosed in a black rectangular border.

XRP-II

ECS Management System

CopyRight HTG Corp 1992

Copyright Unicam Corp 1992

Version 3.0.1

Login Name: -----

Figure 4.3.4-1. XRP-II Login Screen

4.3.4.1.2 ECS Management System Main Menu

The XRP top-level menu is ECS Management System Main Menu. The userid/password configured initial screen will generally be different for the operator. The ECS Management System Main Menu contains selections that are not ILM functions. Only selection 2, the ILM Main Menu may be selected by non-administrator operations personnel.

ECS Management System		
[mainm	Main Menu	11/07/97 14:2
 1. Baseline Management 2. ILM Main Menu 3. System Utilities Menu 4. System Tools Please enter selection (1 -4 or name): ----- F1-help F3-prior menu F5-select F8-exit		

Figure 4.3.4-2. ECS Management System Main Menu

For the operator with only ILM authorization, the point of entry is ILM Main menu (Figure 4.3.4-3), and for an operator with more limited authorization, the point of entry is at a specified menu or screen. In this and following sections, the navigation through the menus of ILM is defined for the user with the highest level of ILM authorization. The menus described are presented in order of the hierarchy of the menus as opposed to navigating through the steps for specific functions or capabilities.

To make a selection in the above menu and all other ILM menus, the operator may enter the option number and by pressing the enter key, or simply moving the cursor to the option to highlight it and press the enter key or F5 (function key 5). The tools built with XRP-II provide the bottom line commands for selection of options. Each screen is identified by a name presented at the top left corner of the screen. A user who is familiar with the names of the screens may enter the name for a selection. Note, the navigation using the name does not require the user to follow the standard path; rather, the entered name will allow jumping to the desired screen at any time. This is still controlled based on user privileges. That is, an unauthorized screen can not be accessed.

The tools built with XRP-II provide the bottom line commands for selection of options. For the menu screens the following commands are provided: These commands are common to all the menu screens in the XRP-II application. The commands are displayed in Table 4.3.4-2.

Table 4.3.4-2. XRP-II menu Function Key bottom commands

F1	Function Key 1 - help	Get a description for the highlighted option
F3	Function Key 3 - prior menu	Move back to the previous menu
F5	Function Key 5 - select	Select the highlighted option
F8	Function Key 8 - exit	Exit the tool (XRP-II to the Unix command line)

ECS Management System

[ilmm]

ILM MainMenu

11/07/97 14:04

1. EIN Menu
2. EIN Transactions
3. ILM Report Menu
4. Inventory Ordering Menu
5. PO / Receiving Menu
6. Maintenance Menu
7. ILM Master Menu

Please enter selection (1 - 7 or name): -----

F1-help F3-prior menu F5-select F8-exit

Figure 4.3.4-3. ILM Main Menu

The ILM Main Menu lets the operators navigate to the following submenus:

Table 4.3.4-3. ILM Main Menu Functions

Menu item	Function	Section
EIN Menu	For adding, modifying, and reviewing the inventory items.	4.3.4.1.3
EIN Transactions	For handling installation, shipment, transfer, and relocation of the inventory items.	4.3.4.1.4
ILM Report Menu	For requesting reports.	4.3.4.1.5
Inventory Ordering Menu	For defining ordering point (reorders), transfer and queries of consumable items and spare parts.	4.3.4.1.6
PO / Receiving Menu	For Purchase Order processing.	4.3.4.1.7
Maintenance Menu	For managing the maintenance and work order information.	4.3.4.1.8
ILM Master Menu	For managing the ILM parameters and reference information	4.3.4.1.9

4.3.4.1.2.1 ECS Management System Bottom Line Commands

The bottom line commands for each menu screen function the same as described for the main menu. Each data screen also has bottom line commands. Generally, the commands are invoked with the single letter in bold. For commands with an “already used” first letter, a slash, “/”, is used as part of the command. A period, “.” is used for the third occurrence of a leading letter.

Note that the bottom line commands appearing on any screen are dependent on the user’s attributes. Not all the commands listed for a screen may be appropriate to specific users.

A set of “standard” bottom line commands occurs on nearly all the ILM data screens. These commands are listed below in Table 4.3.4-4 ILM Standard Bottom Line Commands. The command function is the same as the original XRP-II application. These commands are described in the XRP-II System Reference Manual.

Table 4.3.4-4. ILM Standard Bottom Line Commands

Function key/letter	Submenu used?	Description
/Report	Yes	Generate a report using submenu options.
Find	Yes	Locate a record with the selected value in the data base and display the record.
Go	Yes	Displays then nth record of the displayed screen-format is <u>ng</u> .
Help	Yes	Displays submenu to identify help target. Sometimes displays help description of selected field.
Justify		Places the current selected field at the left edge of the screen.
Left		Justify command to move the display left for View type displays.
More		Displays more bottom line commands (cycles).
Next		Moves the display “forward” records or pages depending on View type.
Prior		Moves the display “back” records or pages depending on View type.
Quit		Exits the current function. If at screen function will exit screen to previous screen.
Right		Justify command to move the display Right for View type displays
Select	Yes	Allows complex criteria to be used in record selection. See XRP-II System Reference Manual
Tag		“Tags” the selected field on the display screen for transport (mark).
Untag		Removes the “Tag” from selected field on the display screen.

Other commands may appear on specific screens and are listed in the “Unique Bottom Line Command” section for the function. These commands are listed below in Table 4.3.4-5 ILM Unique Bottom Line Commands.

While entering data into ILM you may notice that **/Zoom** appears at the bottom of your screen for a given field. This is your indication that a **ZOOM** list is available to assist you with your data entry selections. To operate a **ZOOM** screen do the following:

- enter **/Z** in field and a pick list will appear for you to make a selection
- When the list appears, your cursor is already in the list.
- To select an item, move the cursor to the desired entry and press **<T>**
- Your selection is highlighted
- Press **<Q>** to return to the data entry screen. Notice that your selection now appears in the data entry field.

Table 4.3.4-5. ILM Unique Bottom Line Commands

Function key/letter	Submenu used?	Description
/Add		Add (store) the displayed record (data on the screen) to the data base.
/Copy	Yes	Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete	Yes	Delete the displayed record (data on the screen) from the data base.
/Insert		Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify		Modify (store) the displayed record (data on the screen) in the data base.
/Note		Add a 60 character note to the displayed record (data on the screen).
/Sort	Yes	Sort on the selected field of the displayed record (data on the screen).
/Zoom		Display a list of all the values of the selected field in the data base.
View		Toggles between “form” or record display and “table” or list display.
.Cartons		This command brings up the cartons page and allows the operator to enter the number and sizes of cartons.
/Items		This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.
Addr		<i>TBS</i>
Bom		This field allows the user to view the Bill of Material for this item, if any.
Copy-bill		<i>TBS</i>
Copy-dates		This command allows the user to copy the Active and Inactive from the Parent record to the children records.
Copypart		<i>TBS</i>
Copyein		This command allows the user to create a new item while copying all the fields except the EIN Number from another item.
Execute		This command invokes the appropriate process and prints a report on the results.
Foreground Background or Abandon ?		Foreground will perform the process while connected to the display; no other XRP-II functions may be used until the process completes. Background will perform the process and allow other XRP-II functions to be performed. Abandon will terminate the Purchase Order Processing.
Proceed?		Y = continue with the process, N = quit.
Where		This command allows the user to view all EIN parent items this item has been assigned to, if any.
Write		Saves the current record to a file designated by the operator.

Table 4.3.4-6. Add mode bottom line commands

Screens may be entered in one of the modes: Add or Modify. In this case the bottom line will specify the mode and appropriate function keys. For Example, The bottom line command for the Add mode is shown in Table 4.3.4-6 *Add mode bottom line commands*. For this mode, the F3-exit command “exits” to the “normal” mode and the regular bottom line commands will appear.

Help refers to a text description of the subject, superimposed on the screen. Help may be invoked

ADD: F1-help F2-clear F3-exit F4-mode F6=default
--

from the data screens with the F1 function key (in ADD mode) or the “H” keyin followed by an <Enter>. If a field is selected when F1 is used the text description of the field is displayed in a frame superimposed on the data screen. Otherwise, a Help bottom line is displayed as shown in Table 4.3.4-7 *Help bottom line commands*. The subject for the help description is selected by the appropriate keyin followed by <Enter>. The Help command has to be exited by using the Quit command or F3. If no help is available for the selected subject then a “No help for ...” message appears at the bottom left of the screen.

Table 4.3.4-7. Help Bottom Line Commands

HELP: Field Screen Commands Quit

4.3.4.1.2 EIN Menu

Options provided on this menu allow the operator to navigate to a set of screens for managing and accessing the inventory information.

ECS Management System			
[einmainm]	EIN Menu	11/07/97	14:04
 1. EIN Entry 2. EIN Manger 3. EIN Structure Manger 4. EIN Inventory Manager Please enter selection (1 - 4 or name): -----			
F1-help F3-prior menu F5-select F8-exit			

Figure 4.3.4-4. EIN Entry Menu CHUI

4.3.4.1.2.1 EIN Entry Screen

This screen is designed to enter ILM EIN controlled items into the data base. It is presented to the user upon receipt of items at the receiving dock. It is also presented in the EIN MENU to allow entry of items outside the receiving process. This screen is always presented to the user in the ADD mode. All ILM items must be entered through this screen.

```
[einent] EIN ENTRY:                               Last: _____ Current: _____

      EIN: _____
    SERIAL NUMBER: _____
    OEM PART NUMBER: _____
    OEM DESCRIPTION: _____
      BASELINE ID: _____
      ECS NAME: _____
    HDWSFT CODE: _____ : _____

    MODEL/VERSION: _____
      MFG: _____ YEAR MFG: _____
      VENDOR: _____ SOFTWARE LIC NUM: _____
    MAINT VENDOR: _____ MAINT CONTRACT: _____
      STATUS CODE: _ NASA CONTRACT: _____
    RELEASE CODE: _____ PO Number: _____
      Tran Code: _ LOCATION: _____
      BUILDING: _____ ROOM: _____
      USER: _____ UNIT COST: _____
    COMMENT: _____
      NOTE: _____
    WARRANTY EXP DATE: __/__/__

Next Prior View Find Go Select /Sort /Note Copyein Bom Where Help More Quit
```

Figure 4.3.4-5. EIN Entry CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify	Modify (store) the displayed record (data on the screen) in the data base.
/Copy	Copy the “tagged” displayed fields (data on the screen) to other fields.
/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
Bom	This field allows the user to view the Bill of Material for this item, if any.
Copyein	This command allows the user to create a new item while copying all the fields except the EIN Number from another item.
View	Toggles between “form” or record display and “table” or list display.
Where	This command allows the user to view all EIN parent items this item has been assigned to, if any.

Table 4.3.4-8. EIN Entry Field Description

Field Name	Data Type	Size	Entry	Description
EIN				This field is for the entry of the actual silver tag numbers attached to each item. If an item must be controlled by the ILM but does not receive a silver tag, the system creates an internal tag number which is prefixed with the Site abbreviation and contains a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment. This number, whether entered or assigned, must be used for all machine configuration operations as well as reporting and maintenance functions.
SERIAL NUMBER				This field is for the entry of the serial number of the product being entered. If the item does not contain a serial number of it's own, the system will assign an internal number prefixed with the Site abbreviation and contain a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment
OEM PART NUMBER				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.

Table 4.3.4-8. EIN Entry Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
OEM DESCRIPTION				This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.
BASELINE ID				This field provides the ability for the user to point to an equivalent item contained within the BASELINE MANAGEMENT system. The user may enter the ID if known, or perform a zoom to the Baseline data file.
ECS NAME				This field provides the ability for the user to enter a name the item will be known by.
HDWSFT CODE				This field provides the ability for the user to enter a code designating the type of item. The user may zoom to the Hardware/Software data file. NOTE: This data must be previously entered in screen Hardware/Software Codes (hwsacd).
MODEL/VERSION				- This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file. 9. MFR/DEV - This field is used to enter the Manufacturer or Developer ID. The user may zoom to the appropriate data file and pick the desired code. NOTE: This data must be previously entered with screen Vendor Master Maintenance (vmasts).
YEAR MFG				This field is used to enter the actual 4-digit year the item was manufactured. This field defaults to the current year.
MFG				This is the name of the manufacturer.
VENDOR				This field is used to enter the Vendor code whom the item was purchased from. The user may zoom to the Vendor data file and pick the desired code. NOTE: This data must be previously entered using screen Vendor Master Maintenance (vmasts).
SOFTWARE LIC NUM -				This field is used to enter the license number for a software type license item.
MAINT VENDOR				This field is used to enter the code for the vendor who is the maintenance vendor. The user may zoom to the Vendor data file and choose the appropriate code. NOTE: This information must be previously entered using screen Vendor Master Maintenance (vmasts).

Table 4.3.4-8. EIN Entry Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
MAINT CONTRACT				This field is used to enter the Maintenance Contract number for maintenance on this particular item. The user may zoom to the Contract data file and choose the desired contract number. NOTE: This data must be previously entered with screen Maintenance Contracts (mntcont).
STATUS CODE				This field designates the status of the item and is controlled by transactions within the system. The following codes are included : R - Received; S - Shipped; I - Installed; A - Archived;
NASA CONTRACT				This field is used to designate the Contract number used for this item. This information is automatically assigned and can not be changed.
RELEASE CODE				This field is used for entry of the actual release code for the item.
PO NUMBER				This field is filled in by the Receiving system and designates the Purchase Order the item was received against.
TRAN CODE				This field designates the transaction code. The value will always be set to '03' and is not modifiable by the user
LOCATION				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
BUILDING				This field is used to designate the building number within the site where the item is.
ROOM				This field is used to enter the actual room number of where the item is.
USER				The user code of the person who has the item. The user may choose to zoom to the User ID data base and pick the appropriate code. NOTE : This information must be previously entered with screen Employee Maintenance (sfempmnt).
NOTE				This field is used to enter a 60 character note attached to this item.
WARRANTY EXP DATE				This field is used to enter the end date for the warranty period. This field defaults to 365 days from the date of entry.
UNIT COST				This field is used to enter the price for each item.
COMMENT				This field is a user comment field.
NOTE				This field is a user note field.

4.3.4.1.2.2 EIN Manager

This screen is designed to view or modify ILM EIN controlled items. This screen is always presented to the user in INQUIRY mode. Although the user may modify most fields on the screen, it is advised that the user adhere to the many functions present within ILM to cause changes and modifications to the EIN records. Only skilled and trained operators should be using this screen to modify data.

```
[einmnt] EIN MANAGER:                               Last: _____ Current: _____

      EIN: _____
      ECS NAME: _____
      SERIAL NUMBER: _____
      HDWSFT CODE: _____ : _____
      MODEL/VERSION: _____ MFG: _____
      OEM PART NUMBER: _____
      OEM DESCRIPTION: _____
      VENDOR: _____ YEAR MFG: _____
      SOFTWARE LIC NUM: _____ RECEIVE DATE: _____
      MAINT VENDOR: _____ MAINT CONTRACT: _____
      WARRANTY EXP DATE: __/__/__ STATUS CODE: _
      BASELINE ITEM: _____ RMA#: _____
      NASA CONTRACT: _____ RELEASE CODE: _____
      PO Number: _____ COST: _____.____
      Tran Code: __ Installation Date: __/__/__
      Report Number: ____ Shipping Report Number: ____
      LOCATION: _____ BUILDING: _____
      ROOM: _____ USER: _____
      COMMENT: _____
      NOTE: _____

Next Prior View Find Go Select /Sort /Note Copypart Bom Where Help More Quit
```

4.3.4-6 EIN Manger CHUI

Unique Bottom Line Commands:

- /Add** Add (store) the displayed record (data on the screen) to the data base.
- /Copy** Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete** Delete the displayed record (data on the screen) from the data base.
- /Insert** Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify** Modify (store) the displayed record (data on the screen) in the data base.
- /Note** Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

Bom This field allows the user to view the Bill of Material for this item, if any.

Copypart This command copies the part displayed to create another item for the parent.

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-9. EIN Manager Field Description

Field Name	Data Type	Size	Entry	Description
EIN				This is the EIN of the item and can not be modified.
ECS NAME				This field provides the ability for the user to enter a name the item will be known by.
SERIAL NUMBER				This field is for the entry of the serial number of the product being entered.
HDWSFT CODE				This field provides the ability for the user to enter a code designating the type of item. The user may zoom to the Hardware/Software data file. NOTE: This data must be previously entered in screen Hardware/Software Codes (hwsacd).
MODEL/VERSION				This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file.
MFG				This is the name of the manufacturer.
OEM PART NUMBER				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
OEM DESCRIPTION				This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.

Table 4.3.4-9. EIN Manager Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
VENDOR				This field is used to enter the Vendor code whom the item was purchased from. The user may zoom to the Vendor data file and pick the desired code. NOTE: This data must be previously entered using screen Vendor Master Maintenance (vmasts).
YEAR MFG				This field is used to enter the actual 4-digit year the item was manufactured. This field defaults to the current year.
SOFTWARE LIC NUM				This field is used to enter the license number for a software type license item.
MAINT VENDOR				This field is used to enter the code for the vendor who is the maintenance vendor. The user may zoom to the Vendor data file and choose the appropriate code. NOTE: This information must be previously entered using screen Vendor Master Maintenance (vmasts).
MAINT CONTRACT				This field is used to enter the Maintenance Contract number for maintenance on this particular item. The user may zoom to the Contract data file and choose the desired contract number. NOTE: This data must be previously entered with screen Maintenance Contracts (mntcont).
WARRANTY EXP DATE				This field is used to enter the end date for the warranty period. This field default to 365 days from the date of entry.
BASELINE ITEM				This field provides the ability for the user to point to an equivalent item contained within the BASELINE MANAGEMENT system. The user may enter the ID if known, or perform a zoom to the Baseline data file.
STATUS CODE				This field designates the status of the item and is controlled by transactions within the system. The following codes are included : R - Received; S - Shipped; I - Installed; A - Archived;

Table 4.3.4-9. EIN Manager Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
NASA CONTRACT				This field is used to designate the Contract number used for this item. This information is automatically assigned and can not be changed.
PO NUMBER				This field is filled in by the Receiving system and designates the Purchase Order the item was received against.
TRAN CODE				This field designates the transaction code. The value will always be set to '03' and is not modifiable by the user.
REPORT NUMBER				This field is the installation report number assigned by the system when an installation had occurred.
LOCATION				This field is the Location or Site code where the item currently resides.
BUILDING				This field is the building code where the item currently resides.
ROOM				This field is the room code where the item currently resides.
YEAR MFG				This field is used to enter the actual 4-digit year the item was manufactured. This field defaults to the current year.
RECEIVE DATE				The date the item was received.
MAINT CONTRACT				This field identifies the Maintenance Contract number for maintenance on this particular item.
RMA#				TBS
RELEASE CODE				This field is used for entry of the actual release code for the item.
COST				This field is the purchase cost of the item.
INSTALLATION DATE				This date reflects the actual date this item was installed.
SHIPPING REPORT NUMBER				This field is the report number assigned to this item when the item was shipped.
MFG				This is the name of the manufacturer.
USER				This field is the User Code for the person the item has been assigned to. Invoking the /Z; (Zoom) command at this field will display the user data base.
COMMENT				This field is a user comment field.
NOTE				This field is a user note field.

4.3.4.1.2.3 EIN Structure Manager

This screen is designed to enter a structure for a machine, e.g. assign child items to parents. This screen is always presented to the user in INQUIRY mode. To add a new item, the user will invoke the /A, (ADD) command and proceed to add the new header record. The user has the choice of entering the PO Number or Vendor Code in the header record. The system uses this field to pick and display the items when adding children items in the items page. Leaving these two fields blank or NULL will cause the ZOOM function to display all EIN items. When complete, the user will use the Items bottom line command to display the items page and proceed to add or modify the EIN children.

```
[einstrect] EIN STRUCTURE MANAGER:                               Last: _____ Current: _____

      PARENT EIN: _____
Engineering Change: _____

      OEM Part: _____
      OEM Desc: _____
      ECS Name: _____
Installation Report: _____
      Ship Report: _____

      PO NUMBER: _____
                OR
      VENDOR: _____

      Date Entered: __/__/__
      Operator Id: _____

      ACTIVE DATE: __/__/__
      INACTIVE DATE: __/__/__

Next Prior View Find Go Select /Sort /Note Copy-dates Items Help More Quit /Zoom
```

Figure 4.3.4-7. EIN Structure Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify	Modify (store) the displayed record (data on the screen) in the data base.
/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Copy-dates	This command allows the user to copy the Active and Inactive dates from the Parent record to the children records.
Items	This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.
View	Toggles between “form” or record display and “table” or list display.

Table 4.3.4-10. EIN Structure Manager Field Description

Field Name	Data Type	Size	Entry	Description
PARENT EIN				This field is the Parent EIN number for the structure.
ENGINEERING CHANGE				This field is the change number assigned when the record was added to the data base. The user should press RETURN at this field to allow the system to assign the default.
OEM Part				This field is the OEM Part Number reflected from the EIN Record for the Parent EIN.
OEM Desc				This field is the OEM Description reflected from the EIN Record for the Parent EIN.
ECS Name				This field is the ECS Name assigned to the Parent EIN Record.
INSTALLATION REPORT				This field is the installation report number assigned by the system when an installation had occurred and as reflected from the EIN Record for the Parent EIN.
SHIP REPORT				This field is the report number assigned to this item as reflected from the Parent EIN record when the item was shipped.
PO NUMBER				The user will enter the Purchase Order Number in this field for item selection when adding children items. The user will use the PO Number or the Vendor Code in the next field.
VENDOR				The user will enter the Vendor Code in this field for item selection when adding children items.
Date Entered				This field is a system assigned date when the record was added to the data base and not modifiable by the user.
Operator ID				This field is the login ID of the user who added this item to the data base and is not modifiable by the user.
ACTIVE DATE				This field is the date to make the structure effective.
INACTIVE DATE				This field is the date to make the structure ineffective.

4.3.4.1.2.4 EIN Inventory Query

This screen is designed to view the inventory location of EIN controlled items. The user may sort and select by any field on the screen and then print a report of the data. This screen is displayed in Inquiry mode only and the user may not modify any data with this screen.

```
[einloc] EIN INVENTORY QUERY:                               Last: _____ Current: _____

      EIN: _____
    Location: _____
    Building: _____
      Room: _____
    ECS Name: _____
    OEM Part: _____
    OEM Desc: _____
Baseline ID: _____
      Cost: _____.____
      User: _____
      Name: _____
    Status: _
Install Date: __/__/__

Next Prior View Find Go Select /Sort /Note Help More Quit
```

Figure 4.3.4-8. EIN Inventory Query CHUI

Unique Bottom Line Commands:

- /Note** Add a note to the displayed record (data on the screen).
- /Sort** Sort on the selected field of the displayed record (data on the screen).
- View** Toggles between “form” or record display and “table” or list display.

Table 4.3.4-11. EIN Inventory Query Field Description

Field Name	Data Type	Size	Entry	Description
EIN				This field is the EIN number of the item being viewed.
ECS Name				This field is the ECS Name assigned to the Parent EIN Record.
OEM Part				This field is the OEM part number reflected from the EIN record of the child.
OEM Desc				This field is the OEM Description reflected from the EIN record of the child.
Baseline ID				This field is the Baseline Control Item ID as entered in when the EIN was added to the system.
Cost				This field is the purchased cost of the item.
Location				This field is the location code or site code where the item currently resides.
Building				This field is the building code where the item currently resides.
Room				This field is the room where the item currently resides.
User				This field is the user code of the person who currently has the time assigned to them.
Name				This field is the user's name as reflected from the user file.
Status				This field is the current status of the item.
Install Date				This field is the date the item was installed.

4.3.4.1.3 EIN Transactions

Options provided on this menu allow the operator to navigate to a set of screens to perform the transactions for installation, relocation, archiving of the inventory items and related queries for these functions.

ECS Management System			
[txein]	EIN Transactions	11/07/97	14:04
1.	EIN Installation		
2.	EIN Shipment		
3.	EIN Transfer		
4.	EIN Archive		
5.	EIN Relocation		
6.	Inventory Transaction Query		
Please enter selection (1 - 6 or name): -----			
F1-help F3-prior menu F5-select F8-exit			

Figure 4.3.4-9. EIN Transaction Menu

4.3.4.1.3.1 EIN Installation

4.3.4.1.3.1.1 EIN Installation Screens

This screen is designed for the actual installation process of the Parent EIN and all or selected children. This screen is invoked after the item had been delivered to the user and signed off. This screen is always presented in ADD mode. The user enters the Parent EIN, and the new locations fields; then invokes the Items command to choose which EIN children will be installed as well.

```

[install] INSTALL MACHINE:                               Last: _____ Current: _____

PARENT EIN: _____
ECS Name: _____
OEM Description: _____
Serial Number: _____
Model/Version: _____
Mfr/dev: _____
OEM Part Number: _____
Status Code: _
Baseline ID: _____
Installation Report: _____

Old Location: _____ NEW LOCATION: _____
Old Building: _____ NEW BUILDING: _____
Old Room: _____ NEW ROOM: _____
Old User: _____ NEW USER: _____

Next Prior View Find Go Select /Sort /Note Items Execute Help More Quit

```

Figure 4.3.4-10. EIN Installation CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add	Add (store) the displayed record (data on the screen) to the data base.
/Copy	Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete	Delete the displayed record (data on the screen) from the data base.
/Insert	Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify	Modify (store) the displayed record (data on the screen) in the data base.
/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Execute	This command invokes the appropriate process and prints a report on the results.
Items	This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.
View	Toggles between “form” or record display and “table” or list display.

Table 4.3.4-12. EIN Installation Field Description

Field Name	Data Type	Size	Entry	Description
PARENT EIN				This field is the Parent EIN for the installation. The user may /Z, (Zoom) at this field to view the entire EIN data base.
ECS Name through Old User				These fields are all reflected from the Parent EIN record and cannot be modified.
NEW LOCATION				This field is the new location code or site code where the parent was installed.
NEW BUILDING				This field is the new building code where the parent was installed.
NEW ROOM				This field is the new room code where the parent was installed.
NEW USER				This field is the user code the parent was assigned to. The operator may /Z, (Zoom) at this field to view the User data base.

4.3.4.1.3.1.2 Items Page of EIN Installation

This screen is designed for the user to choose which child EIN items have been installed with the parent. If the parent has already been installed, the system display a warning message to the user but allows the user to choose to install more children if desired. The user will enter Modify mode and place a 'Y' in the INSTALL field of the screen for each child EIN that was installed.

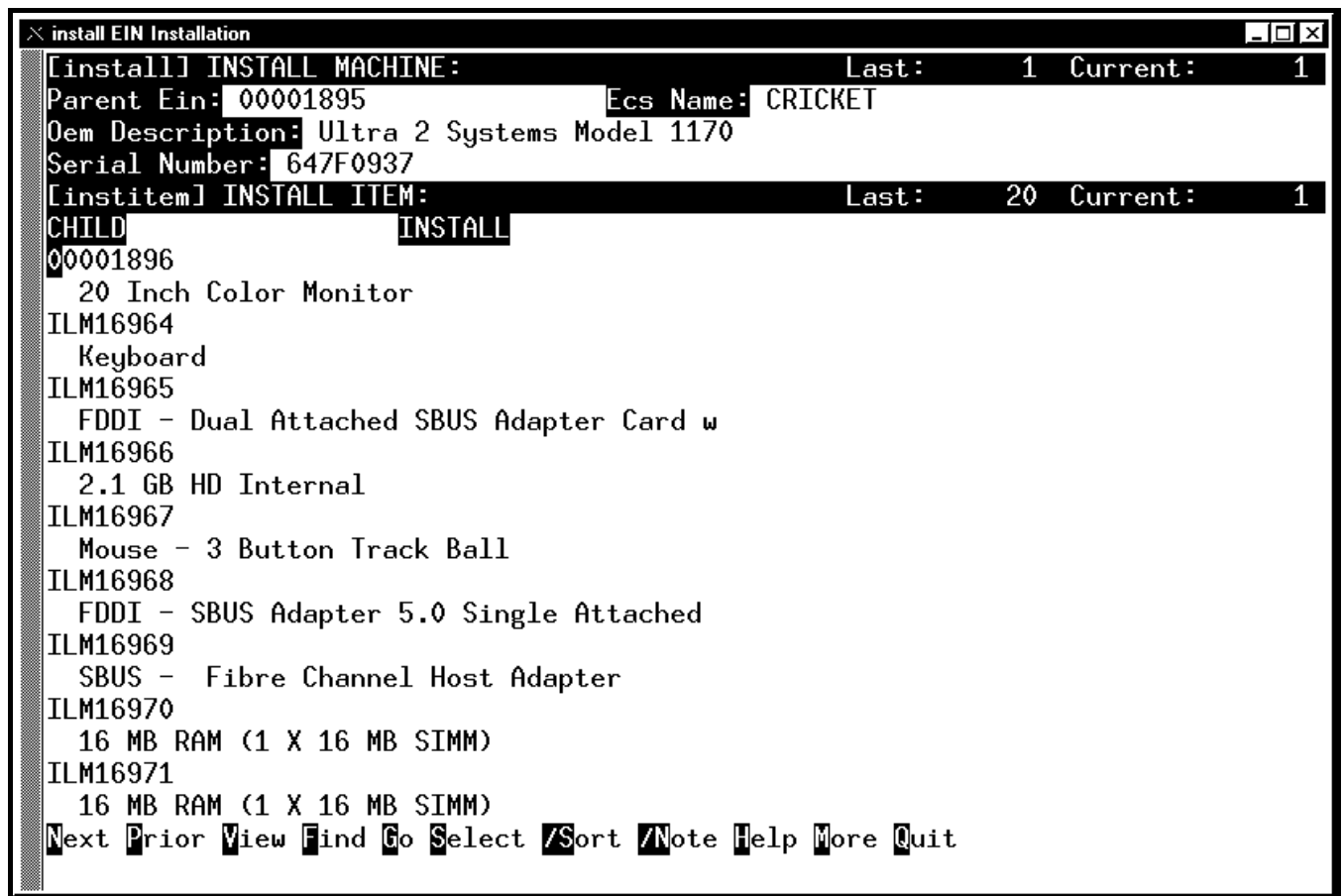


Figure 4.3.4-11. Items Page CHUI

Unique Bottom Line Commands:

Table 4.3.4 -13. Items Page Field Description

Field Name	Data Type	Size	Entry	Description
CHILD				Displayed is the CHILD EIN with the description of the <u>selected item</u> , under
INSTALL				This field accepts either a 'N' or 'Y' to designate to the system which items are to be installed with the parent.

4.3.4.1.3.2 EIN Shipment

EIN Shipment provides tracking of EIN shipping information.

4.3.4.1.3.2.1 EIN Shipment Screen

This screen is designed for the user to ship a parent EIN and children to another site. This screen is always presented in the ADD mode. The user enters the required data elements, invokes the items page to choose the EIN parents to be shipped, invokes the items command of the parent page to display the EIN children and choose those to be shipped with each parent, invokes the .Cartons command to enter the number, weight and size of the cartons being shipped, then Executes the transaction and prints the shipment report.

[shipein] SHIP EIN:		Last: _____ Current: _____	
ILM INTERNAL SHIPMENT SEQUENCE: _____			
DESTINATION: _____		: _____	
Report Number: _____		Alpha: _____	
SHIP DATE: __/__/__			
ESTIMATED SHIP DATE: __/__/__			
Operator Id: _____			
SHIP VIA: _____			
BILL OF LADING: _____			
Number Of Cartons: _____		Weight: _____.	
BUILDING: _____		ROOM: _____	
CARRIER: _____			
Status: _			
Consignee Name: _____			
Address 1: _____			
Address 2: _____			
City: _____			
State: __ Zip: _____			
Phone: _____			
USER: _____			
Next Prior View Find Go Select /Sort /Note Items .Cartons Execute Help More Quit			

Figure 4.3.4-12. EIN SHIPMENT CHUI

Unique Bottom Line Commands:

.Cartons This command brings up the cartons page and allows the operator to enter the number and sizes of cartons.

/Add	Add (store) the displayed record (data on the screen) to the data base.
/Copy	Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete	Delete the displayed record (data on the screen) from the data base.
/Insert	Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify	Modify (store) the displayed record (data on the screen) in the data base.
/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
Execute	This command invokes the appropriate process and prints a report on the results.
Items	This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.
View	Toggles between “form” or record display and “table” or list display.

Table 4.3.4-14. Ship EIN Field Description

Field Name	Data Type	Size	Entry	Description
ILM INTERNAL SHIPMENT SEQUENCE				This field is the internal shipment sequence maintained by the system. The user should always press return at this field to allow the system to assign the next internal sequence number.
DESTINATION				This field is the destination location or site code where the parent and children are being shipped to. The user may /Z; (Zoom) at this field to display the location data base.
Report Number and Alpha				These two fields display the shipping report number for the location and parent EIN and are not modifiable by the user.
SHIP DATE				This field is the actual shipping date and defaults to the current date.
ESTIMATED SHIP DATE				This field is the estimated ship date for the shipment.
Operator Id				This field is the operator ID of the user performing the shipment and can not be modified.
SHIP VIA				This field is used to enter the shipment method.
BILL OF LADING				The user will enter the actual Bill of Lading in this field.
Number of Cartons and Weight				These two fields reflect the calculated values from the cartons page of the header screen.
BUILDING				Enter the building code where the parent is to be shipped to.
ROOM				Enter the room code where the parent is to be shipped to.
Status through Phone				These fields present the status of the parent and the coassignee name and address information from the location data base.
USER				Enter the user code for the person who will receive this item. The operator may /Z, Zoom to the user data base.

4.3.4.1.3.2.2 Items Page for EIN Shipment

This screen is designed for the user to enter EIN items to be shipped. The operator will use the Items command of this page to display the children of each parent and designate which children are to be shipped.

[shppar] SHIP EIN PARENTS:Last: _____ Current: _____

PARENT

OEM Part

Model/Version

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

OEM Desc: _____

Next

Prior

View

Find

Go

Select

/Sort

/Note

Items

Help

More

Quit

Figure 4.3.4-13. Items Page for EIN Shipment

Unique Bottom Line Commands:

Items - This command allows the user to select which EIN children are to be shipped.

Table 4.3.4-15. Items Page for EIN Shipment Field Description

Field Name	Data Type	Size	Entry	Description
PARENT				Enter the Parent EIN number to be shipped.
OEM Part, Model, and OEM Desc				These fields are reflected from the EIN record of the entered parent EIN.

4.3.4.1.3.2.3 Items Structure Page for EIN Shipment

This screen is designed for the user to enter or designate which children of the parent EIN's will be shipped.

[shpitem] SHIP ITEM:		Last: _____	Current: _____
CHILD	SHIP		
_____	—		

_____	—		
_____	—		

_____	—		

_____	—		

_____	—		

Next Prior View Find Go Select /Sort /Note Help More Quit			

Figure 4.3.4-14. Items Structure Page for EIN Shipment

Unique Bottom Line Commands:

Table 4.3.4-16. Items Structure Page for EIN Shipment Field Description

Field Name	Data Type	Size	Entry	Description
CHILD				Displayed is the CHILD EIN with the description of the item under it.
INSTALL				This field accepts either a 'N' or 'Y' to designate to the system which items are to be shipped with the parent.

4.3.4.1.3.2.4 Carton Size

This screen is designed for the user to enter the dimensions, weight, and quantity of the cartons for the shipment.

The screenshot shows a terminal window titled "shipein EIN Shipment". The main display area contains the following text:

```
[shipein] SHIP EIN:                               Last:      3  Current:    1
[Ilm Internal Shipment Sequence: 42 Destination: EDC
: EROS Data Center Report Number: 1
[sectn] CARTON SIZES:                               Last:      2  Current:    1
```

Below this, the carton size details are displayed:

```
SEQUENCE: 1
DIMENSIONS: 12x12x12
WEIGHT: 100.00
QUANTITY: 2
```

At the bottom of the screen, a navigation bar contains the following commands: Next Prior View Find Go Select /Sort /Note Help More Quit.

Figure 4.3.4-15. Carton Size Page for EIN Shipment

Unique Bottom Line Commands:

Table 4.3.4-17. Carton Size Page for EIN Shipment Field Description

Field Name	Data Type	Size	Entry	Description
SEQUENCE				This field is the automatically assigned sequence number of the cartons data attached to the shipment header record.
DIMENSIONS				Enter the actual dimensions of the box.
WEIGHT -				Enter the weight of the box.
QUANTITY				Enter the quantity of the boxes having the same dimension and weight.

4.3.4.1.3.3 EIN Transfer

EIN Transfer provides tracking of EIN shipping information.

4.3.4.1.3.3.1 EIN Transfer Screen

This screen is designed for the user to transfer a machine from one location or building or room or user to another. This screen is always presented to the operator in the ADD mode. The operator will enter the Parent EIN number and other fields, then invoke the items page to choose which children of the parent are being transferred as well. When the selection is complete, the operator will execute the transaction and print a report.

```
[transfer] TRANSFER MACHINE:                               Last: _____ Current: _____

      PARENT EIN: _____
DESTINATION LOCATION: _____
      BUILDING:  _____
      ROOM:     _____
      REASON CODE: _____
      CCR #:    _____
TROUBLE TICKET:  _____
      NEW USER: _____

Next Prior Find Go Select /Sort /Note Items Execute Help More Quit
```

Figure 4.3.4-16. EIN Transfer CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6, /Zoom

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify	Modify (store) the displayed record (data on the screen) in the data base.
/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
Execute	This command invokes the appropriate process and prints a report on the results.
Items	This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

Table 4.3.4-18. Transfer Machine Field Description

Field Name	Data Type	Size	Entry	Description
PARENT EIN				Enter the Parent EIN number to be transferred. The operator may /Z ₇ (Zoom) to the EIN data base to choose the appropriate item.
DESTINATION LOCATION				Enter the destination location code where the parent is to be transferred to. The operator may /Z ₇ (Zoom) to the location data base to choose an appropriate location.
DESTINATION BUILDING				Enter the destination building code where the parent is to be transferred to.
DESTINATION ROOM				Enter the destination room code where the parent is to be transferred to.
REASON CODE				Enter the reason code for the transfer, The operator may /Z ₇ (Zoom) to the reason code data base to choose the appropriate code.
CCR #				Enter the applicable CCR number.
TROUBLE TICKET				Enter the applicable trouble ticket number here.
NEW USER				Enter the user code for the new user of the parent. The operator may /Z ₇ (Zoom) to the user data base to choose.

4.3.4.1.3.3.2 Item Page for EIN Transfer

This screen is designed to designate which children of the Parent EIN are to be transferred. The operator enters a 'Y' in the appropriate field to signal the system to transfer the child with the parent.

[tritem] TRANSFER ITEM:

Last: _____ Current: _____

CHILD

TRANSFER

_____ -

_____ -

_____ -

_____ -

_____ -

_____ -

_____ -

_____ -

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-17. Item Page for EIN Transfer CHUI

Unique Bottom Line Commands:

Table 4.3.4-19. Item Page for EIN Transfer Field Description

Field Name	Data Type	Size	Entry	Description
CHILD				The child EIN number attached to the Parent EIN is displayed here.
TRANSFER				Enter a 'Y' if the child is to be transferred.

4.3.4.1.3.4 EIN Archive Screen

This screen is designed to archive an item and its children, if necessary. This screen is used when items have failed and cannot be repaired. Each site should have a designated archive location code of <Site Code>AR. For example, the EDF site will have an archive location of EDFAR. The operator will complete the required fields and invoke the items page to pick which children, if any, are to be archived with the parent. When complete, the operator will execute the transaction and print a report.

```

x archive EIN Archive
[archive] ARCHIVE EIN:

      PARENT EIN: [ ]
ARCHIVE PARENT (Y/N):
ARCHIVE LOCATION:
      BUILDING:
      ROOM:
      CCR #:
TROUBLE TICKET:
REASON CODE:

ADD: F1-help F2-clear F3-exit F4-mode F6-default /Zoom
Typeover mode
```

Figure 4.3.4-18. EIN Archive CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6, /Zoom

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.

- /Note** Add a note to the displayed record (data on the screen).
- /Sort** Sort on the selected field of the displayed record (data on the screen).
- Execute** This command invokes the appropriate process and prints a report on the results.
- Items** This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

Table 4.3.4-20. EIN Archive Screen Item Field Description

Field Name	Data Type	Size	Entry	Description
Parent EIN				Parent EIN Number to be archived or a child EIN if an individual item.
Archive Parent				Enter a 'Y' if the parent is to be archived along with some of its children.
Archive Location				The designated archive location.
Building				The designated archive building.
Room				The designated archive room.
CCR #				The appropriate CCR number.
Trouble Ticket				The trouble ticket number.
Reason Code				The reason code for the transfer. The operator may /Z (Zoom) to the reason code data base to choose the appropriate code.

4.3.4.1.3.5 EIN Relocation

This screen is designed to relocate an EIN to another Parent item. The operator will enter the required data fields, invoke the items page to pick the children, if any, to be relocated with the parent. Then, execute the transaction and print a report.

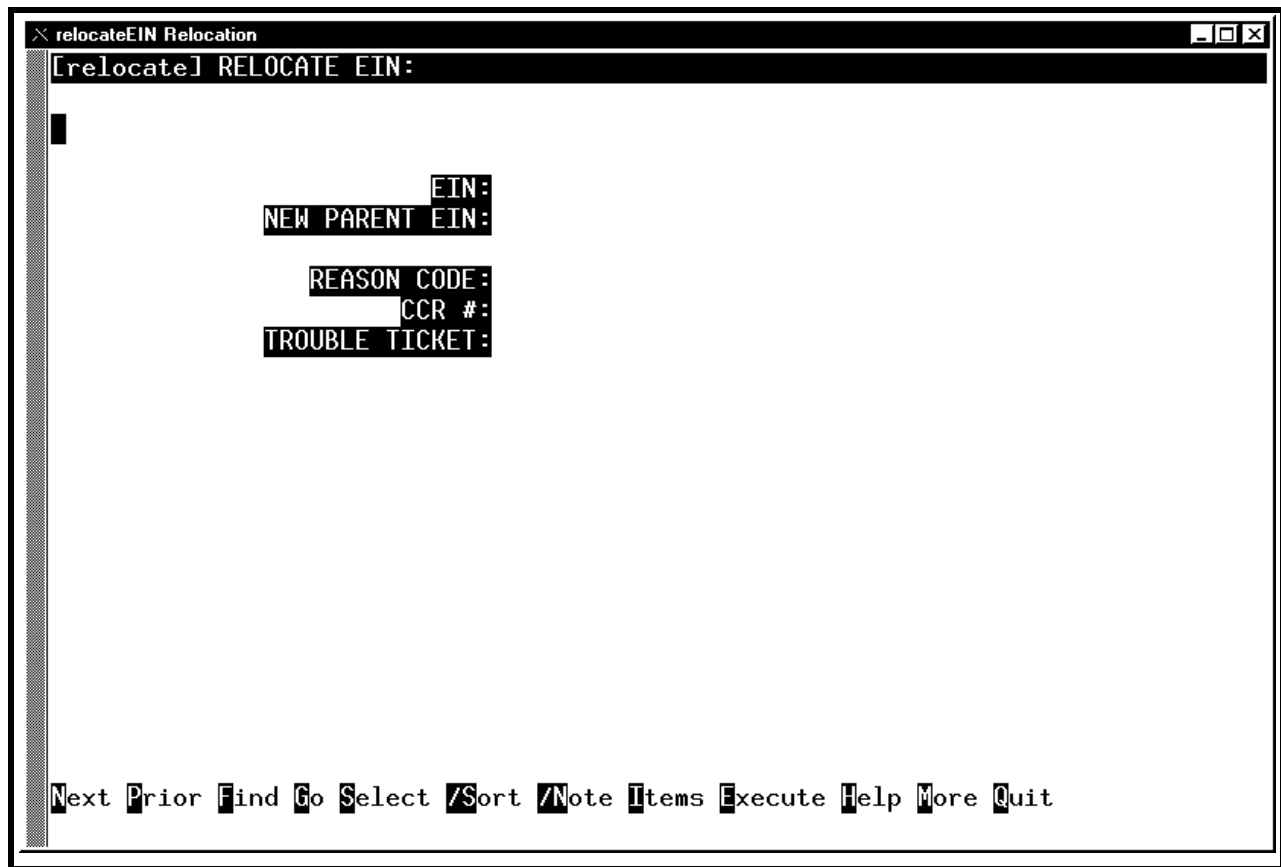


Figure 4.3.4-19. EIN Relocation CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6, /Zoom

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).

- Execute** This command invokes the appropriate process and prints a report on the results.
- Items** This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

The following table provides a description of the field items for the EIN Relocation Screen.

Table 4.3.4-21. EIN Relocation Field Description

Field Name	Data Type	Size	Entry	Description
EIN				The Parent EIN number to be relocated , or an individual item.
New Parent EIN				The new Parent EIN number.
Reason Code				The reason code for the transfer. The operator may /Z (Zoom) to the reason code data base to choose the appropriate code.
CCR #				The applicable CCR number.
Trouble Ticket				The applicable trouble ticket number.

4.3.4.1.3.6 Inventory Transaction Query

This screen is designed to allow the operator to view all inventory transactions performed on items in the data base. The operator may sort and select on any field on the screen and print a report of sorted data, if desired.

imtxq Inventory Transaction Query

[imtxq] INVENTORY TRANSACTIONS QUERY: Last: 3703 Current: 1

Site: EDF
 Number: 3703
 Type Of Transaction: RX
 Date: 11/20/97
 Time: 22:19

EIN:
 Transaction Id: 53

Vendor Id: SUN

From Site:
 From Bldg:
 Room:
 Parent Ein:
 Ccr #:
 It:

Reason Code:

Dest Site: EDF
 Dest Bldg:
 Room:

Order Type: PO
 Order: SUNTES
 Line No: 2

Quantity: 1.0
 antity: 0.0

Operator Id: xrpadm

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-20. Inventory Transaction Query Screen

Unique Bottom Line Commands:

- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

The following table provides a description of the field items for the Inventory Transactions Query Screen.

Table 4.3.4-22. Inventory Transactions Query Item Field Description

Field Name	Data Type	Size	Entry	Description
Site				ECS Site where inventory transaction query takes place.
Number				Record number of data base record being observed.
Type of Transaction				Type of transaction being performed.
Date				Date of the query.
Time				Time of the query.
Dest Site				The destination location where the inventory query takes place.
EIN				The Parent EIN number to be relocated , or an individual item.
Dest Bldg				The building code where the parent is located for the inventory query.
Transaction Id				Identification for the transaction.
Room				The room code where the parent located for the inventory query.
Vendor Id				
Order Type				
Order				
From Site				
From Bldg				
Line No.				
Room				
Parent EIN				The new Parent EIN number.
Quantity				The number of items queried for the inventory query.
CCR #				The applicable CCR number.
Quantity				The number of items queried for the inventory query.
Tt				The applicable trouble ticket number.
Operator Id				The user code of the person performing the inventory query.
Reason Code				The reason code for the transfer. The operator may /Z (Zoom) to the reason code data base to choose the appropriate code.

4.3.4.1.4 ILM Report Menu

ILM Report Menu provides access to display and report controlled items into the data base. This section of ILM is mainly used for reporting purposes.

ilmrepm	ECS Management System ILM Report Menu	11/19/97 10:24
<div>1. ILM Inventory Reports</div> <div>2. EIN Structure Reports</div> <div>3. Install/Receipt Report</div> <div>4. EIN Shipment Reports</div> <div>5. Transaction History Reports</div> <div>6. PO Receipt Reports</div> <div>7. Installation Summary Reports</div>		
Please enter selection (1 - 7 or name): <input type="text"/>		
F1-help F3-prior menu F5-select F8-exit		

Figure 4.3.4-21. Report Menu CHUI

Figure 4.1.c depicts the ILM full menu for the user with authorization to perform all the listed functions. When the user authorization is more limited, this menu offers less options. In this and the following sections, the content of the menus and the screen layouts cover the complete functionality although all of the functions will not be available to every user.

The ILM Report menu lets the users navigate to the following screens:

- **ILM Inventory Reports;** retrieves and prints all items contained within the designated location(s). A cost report is included displaying the actual cost of items selected.
- **EIN Structure Reports;** retrieves and prints all designated parents and components in a multi-level bill report.
- **Install/Receipt Report;** allows the user to print a report of a parent EIN configuration and send the hard copy to the receiving organization for sign off.
- **EIN Shipment Reports;** allows the user to print a report of a shipment that was performed previously within the system.

- **Transaction History Reports;** allows the user to print a history of all transactions contained within the system.
- **PO Receipt Reports;** retrieves and prints all receipts that have occurred for the designated PO, Vendor, or Date.
- **Installation Summary Reports;** retrieves and prints all receipts that have occurred for the designated PO, Vendor, or Date.

This menu allows the user to print a series of hard or soft copy reports of various information contained within the system.

The bottom line commands for each menu screen function the same as described for the main menu. Each data screen also has bottom line commands. The following is the a list of the standard commands available on many of the data screens. Any additional commands provided in on each data screen are described following the sample screen presented.

4.3.4.1.4.1 ILM Inventory Reports

This screen is designed to retrieves and prints all items contained within the designated location(s). A cost report is included displaying the actual cost of items selected.

```

ilminv ILM Inventory Reports
[ilminv] ILM INVENTORY REPORTS: Last: 1 Current: 1

LOCATION: ASF [NULL for all]
NOTE 1: Test report for Documentation Purposes
NOTE 2: This is a test!!

NUMBER OF COPIES
INVENTORY REPORT - BY LOCATION: 1
COSTED INVENTORY REPORT: 1

Next Prior Find Go Select /Sort /Note Execute Help More Quit /Zoom

```

Figure 4.3.4-22. ILM Inventory Reports CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Execute	This command invokes the appropriate process and prints a report on the results.

The following table provides a description of the fields contained on the previous screen for ILM Inventory Reports.

Table 4.3.4-23. ILM Inventory Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Location				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns). A null entry provides all inventory and the locations of the items.
Note 1				Enter any notes to appear on the header of the report. This field is used to enter a 60 character note attached to this item.
Note 2				Enter any notes to appear on the header of the report. This field is used to enter a 2nd 60 character note attached to this item.
Inventory Report - By Location				Number of copies of the report to be distributed.
Cost Inventory Report				Number of copies of the report containing product cost of the item by location.

4.3.4.1.4.2 EIN Structure Reports

This screen is designed to retrieve and print all designated parents and components in a multi-level bill report.

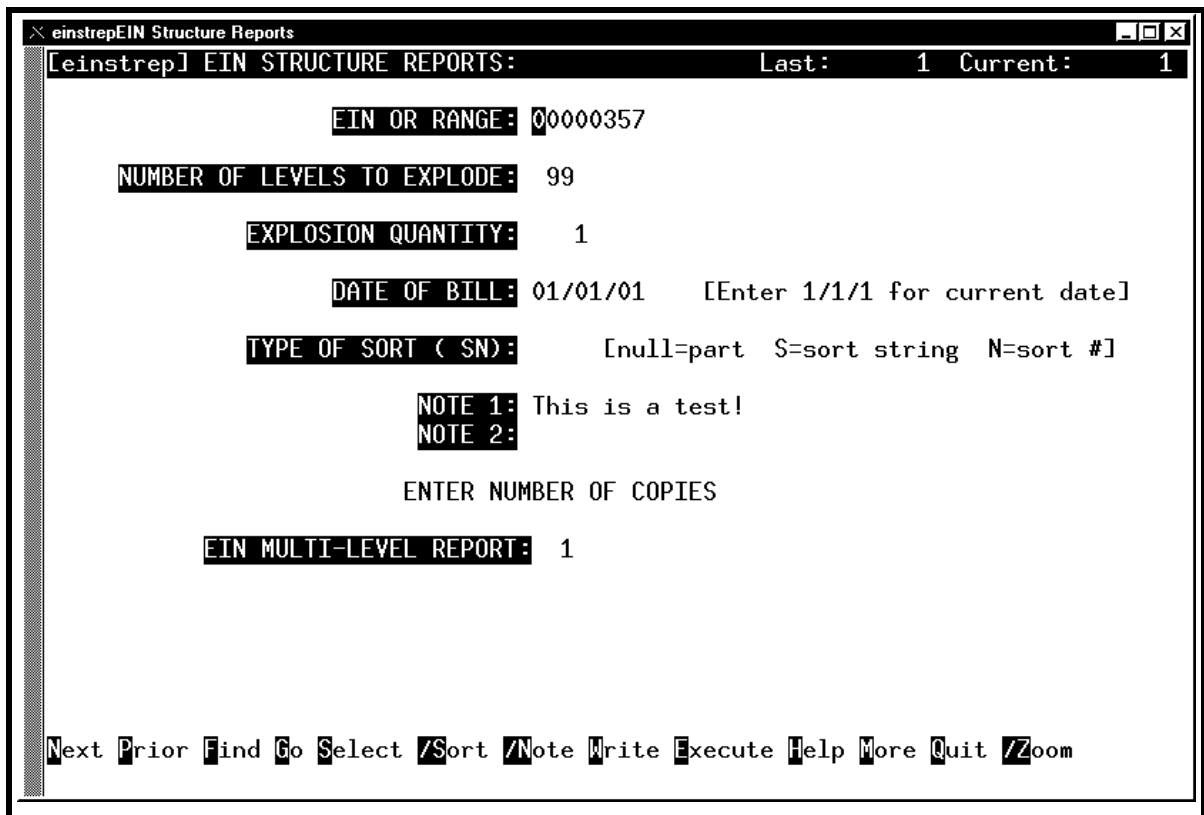


Figure 4.3.4-23. EIN Structure Reports CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Execute	This command invokes the appropriate process and prints a report on the results.
Write	Saves the current record to a file designated by the operator.

The following table provides a description of the fields contained on the previous screen for EIN Structure Reports.

Table 4.3.4-24. EIN Structure Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
EIN or Range				This field is for the entry of the actual silver tag numbers attached to each item. If an item must be controlled by the ILM but does not receive a silver tag, the system creates an internal tag number which is prefixed with the Site abbreviation and contains a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment. This number, whether entered or assigned, must be used for all machine configuration operations as well as reporting and maintenance functions.
Number of levels to Explode				Number of levels of items to report in the structure.
Explosion Quantity				Number of items to report at a level.
Date of Bill				Billing Date. Entry of 1/1/1 provides current date.
Type of Sort				Null = sort part; S = sort string; N = sort number.
Note 1				Enter any notes to appear on the header of the report. This field is used to enter a 60 character note attached to this item.
Note 2				Enter any notes to appear on the header of the report. This field is used to enter a 2nd 60 character note attached to this item.
EIN Multi-Level Report				Number of copies of the EIN multi-level report to print.

4.3.4.1.4.3 Install/Receipt Report

This screen is designed to allow the user to print a report of a parent EIN configuration and send the hard copy to the receiving organization for sign off.

insrep Install/Receipt Report

[insrep] INSTALL/RECEIPT REPORT:

PARENT EIN: _____

ECS Name: _____

OEM Description: _____

Serial Number: _____

Model/Version: _____

Mfr/dev: _____

OEM Part Number: _____

Status Code: _____

Baseline ID: _____

Old Location: _____

Old Building: _____

Old Room: _____

Old User: _____

ENTER NUMBER OF COPIES

INSTALL/RECEIPT REPORT:

ADD: F1-help F2-clear F3-exit F4-mode F6-default /Zoom

Typeover mode

Figure 4.3.4-24. Install/Receipt Report CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6, /Zoom

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Execute	This command invokes the appropriate process and prints a report on the results.

The following table provides a description of the fields contained on the previous screen for Install/Receipt Reports.

Table 4.3.4-25. Install/Receipt Report Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Parent EIN				This field is the Parent EIN for the installation/structure. The user may /Z, Zoom at this field to view the entire EIN data base.
ECS Name				This field provides the ability for the user to enter a name the item will be known by. This field is the ECS Name assigned to the Parent EIN Record.
OEM Description				This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.
Serial Number				This field is for the entry of the serial number of the product being entered. If the item does not contain a serial number of it's own, the system will assign an internal number prefixed with the Site abbreviation and contain a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment
Model/Version				This field is used to enter the actual Model and or Version of the item.
Mfr/dev				This field is used to enter the Manufacturer or Developer ID. The user may zoom to the appropriate data file and pick the desired code. NOTE: This data must be previously entered with screen Vendor Master Maintenance (vmasts).
OEM Part Number				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
Status Code				This field designates the status of the item and is controlled by transactions within the system.. The following codes are included : R - Received; S - Shipped; I - Installed; A - Archived;

Table 4.3.4-25. Install/Receipt Report Field Description (2 of 2)

Field Name	Data Type	Size	Entry	Description
Baseline ID				This field is the Baseline Control Item ID as entered in when the EIN was added to the system. This field provides the ability for the user to point to an equivalent item contained within the BASELINE MANAGEMENT system. The user may enter the ID if known, or perform a zoom to the Baseline data file.
Old Location				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
New Location				This field is the new location code or site code where the parent was installed.
Old Building				This field is used to designate the building number within the site where the item is.
New Building				This field is the new building code where the parent was installed.
Old Room				This field is used to enter the actual room number of where the item is or will be shipped to.
New Room				This field is the new room code where the parent was installed.
Old User				The user code of the person who has the item. The user may choose to zoom to the User ID data base and pick the appropriate code. NOTE : This information must be previously entered with screen Employee Maintenance (sfempmnt).
New User				This field is the user code the parent was assigned to. The operator may /Z, Zoom at this field to view the User data base.
Install/Receipt Report				Number of copies of report to be printed.

4.3.4.1.4.4 EIN Shipment Reports

This screen is designed to allow the user to print a report of a shipment that was performed previously within the system.

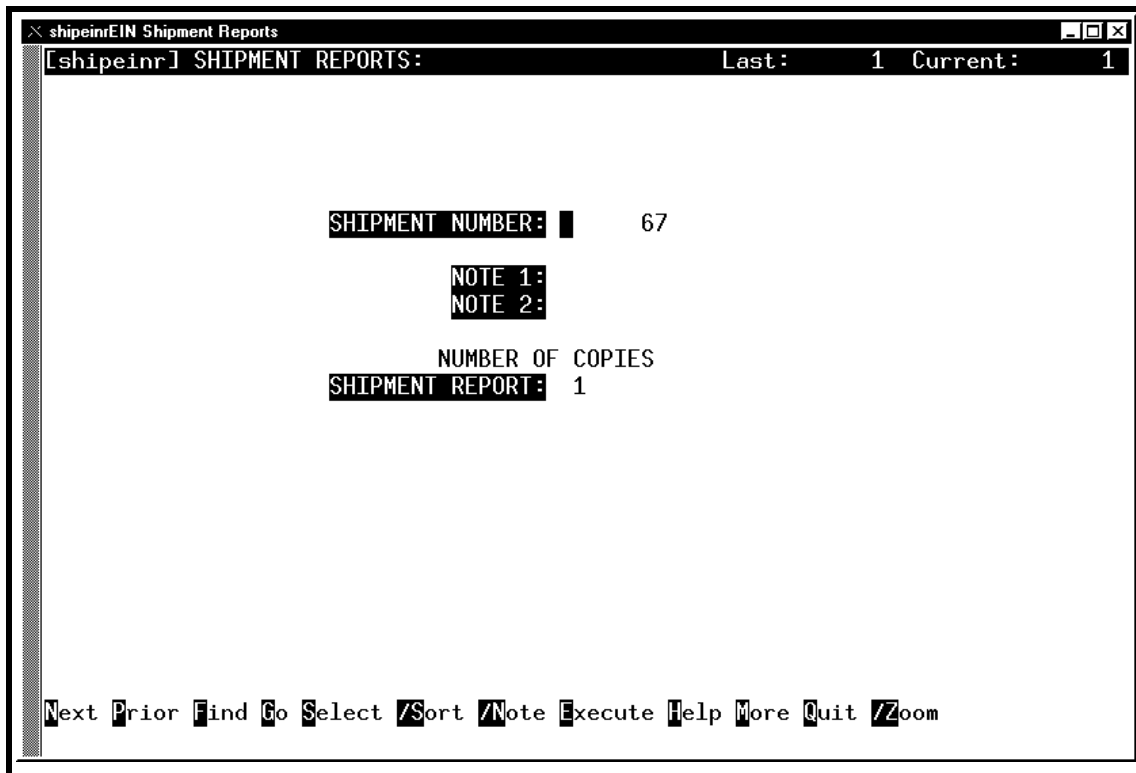


Figure 4.3.4-25. EIN Shipment Reports CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
Execute	This command invokes the appropriate process and prints a report on the results.

The following table provides a description of the fields contained on the previous screen for EIN Shipment Reports.

Table 4.3.4-26. EIN Shipment Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Shipment Number				This field is the report number assigned to this item as reflected from the Parent EIN record when the item was shipped.
Note 1				Enter any notes to appear on the header of the report. This field is used to enter a 60 character note attached to this item.
Note 2				Enter any notes to appear on the header of the report. This field is used to enter a 2nd 60 character note attached to this item.
Shipment Report				This field is the report number assigned to this item when the item was shipped.

4.3.4.1.4.5 Transaction History Reports

This screen is designed to allow the user to print a history of all transactions contained within the system.

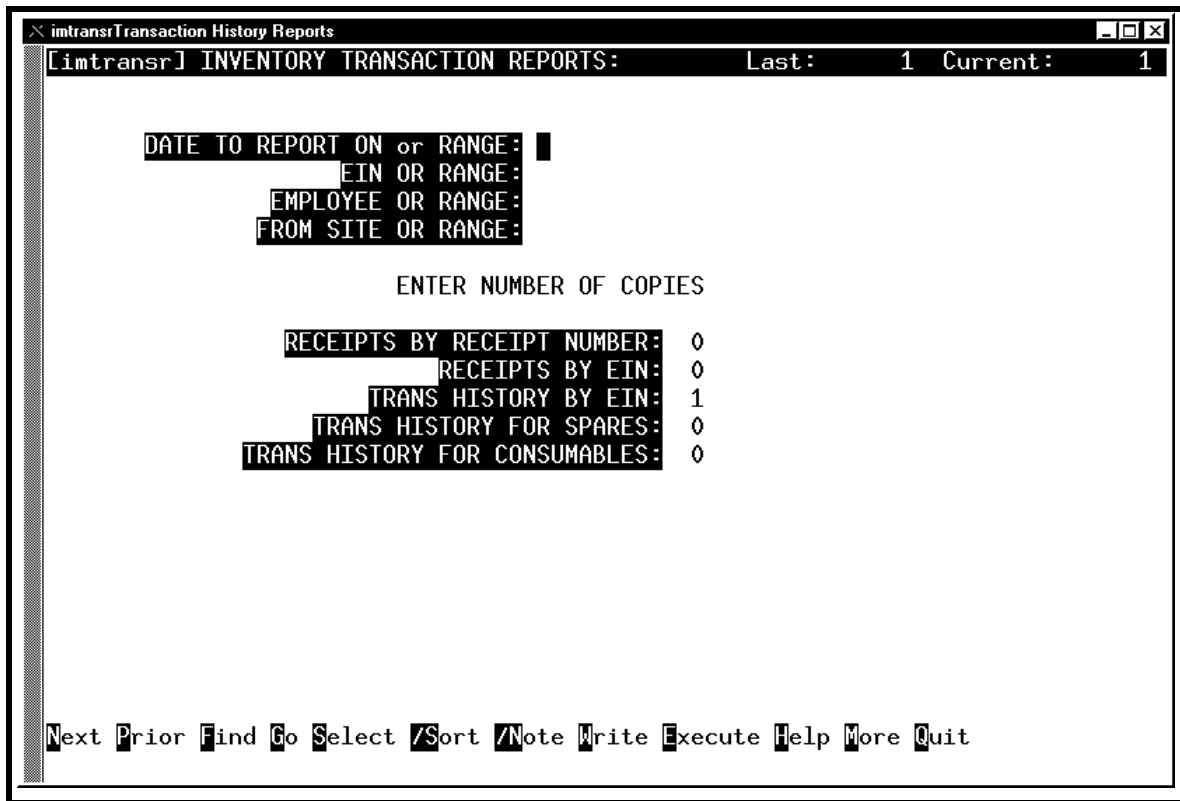


Figure 4.3.4-26. Transaction History Reports CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
Execute	This command invokes the appropriate process and prints a report on the results.
Write	Saves the current record to a file designated by the operator.

The following table provides a description of the fields contained on the previous screen for Transaction History Reports.

Table 4.3.4-27. Transaction History Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Date range of transaction				Dates interval for report.
Date to report on or range				Date of report.
EIN or Range				This field is for the entry of the actual silver tag numbers attached to each item. If an item must be controlled by the ILM but does not receive a silver tag, the system creates an internal tag number which is prefixed with the Site abbreviation and contains a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment. This number, whether entered or assigned, must be used for all machine configuration operations as well as reporting and maintenance functions.
Employee or Range				Employee identification number “Employee code” generated by the program.
From Site or Range				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
Receipts by Receipt Number				Number of copies of report of receipts by receipt number
Receipts By EIN				Number of copies of report for Equipment Inventory Number.
Trans History By EIN				Number of copies of transaction history report by Equipment Inventory Number.

4.3.4.1.4.6 PO Receipt Reports

This screen is designed to retrieve and prints all receipts that have occurred for the designated PO, Vendor, or Date.

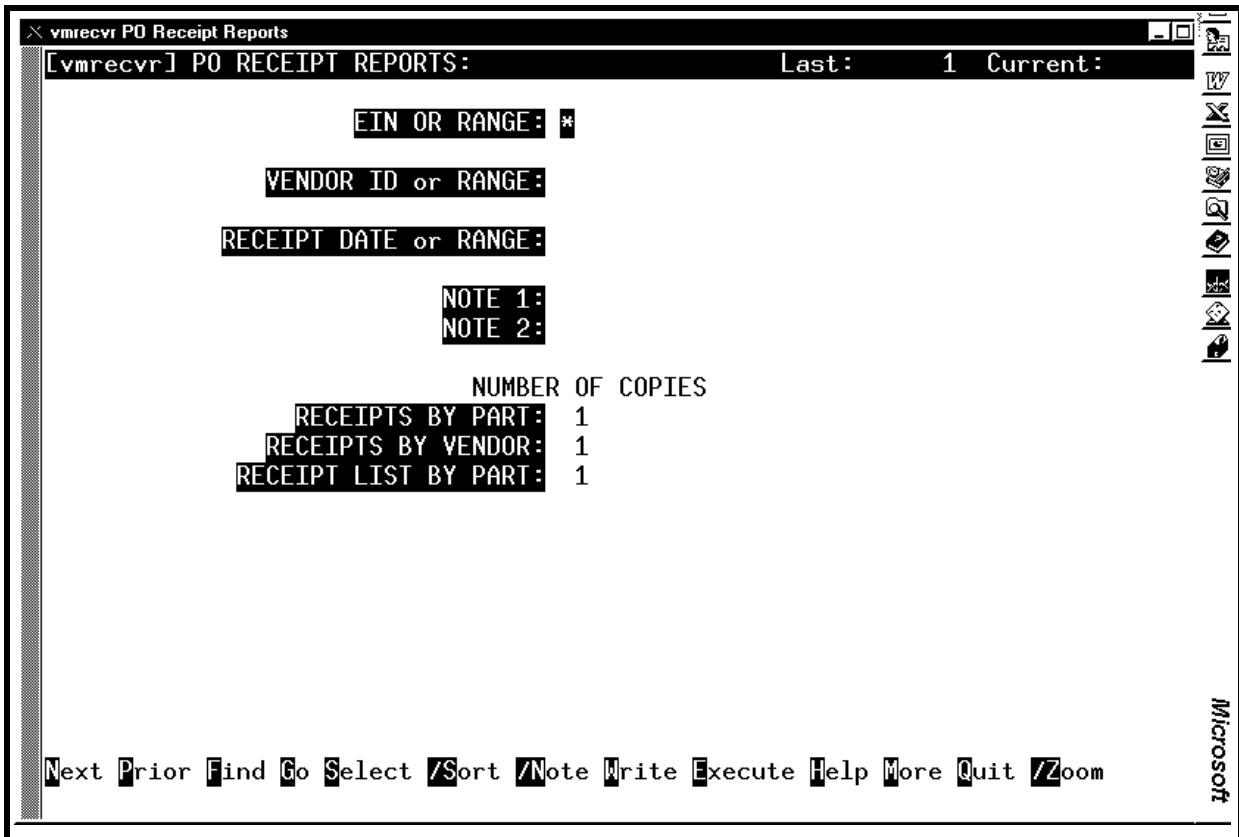


Figure 4.3.4-27. PO Receipt Reports CHUI

Unique Bottom Line Commands:

/Zoom Display a list of all the values of the selected field in the data base.

The following table provides a description of the fields contained on the previous screen for PO Receipt Reports.

Table 4.3.4-28. PO Receipt Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
EIN or Range				This field is for the entry of the actual silver tag numbers attached to each item. If an item must be controlled by the ILM but does not receive a silver tag, the system creates an internal tag number which is prefixed with the Site abbreviation and contains a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment. This number, whether entered or assigned, must be used for all machine configuration operations as well as reporting and maintenance functions.
Vendor ID or Range				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
Receipt Date or Range				Receipt date(s) to report.
Note 1				Enter any notes to appear on the header of the report. This field is used to enter a 60 character note attached to this item.
Note 2				Enter any notes to appear on the header of the report. This field is used to enter a 2nd 60 character note attached to this item.
Receipts By Part				Number of copies of report of receipts by part number
Receipts By Vendor				Number of copies of report of receipts by vendor identification number.
Receipt List by Part				Number of copies of report of receipt list by part number

4.3.4.1.4.7 Installation Summary Reports

This screen is designed to retrieve and print all receipts that have occurred for the designated PO, Vendor, or Date.

```
installr Installation Summary Reports
[installr] INSTALLATION SUMMARY REPORTS: Last: 1 Current: 1

INSTALLATION DATE or RANGE: 01/01/96-12/31/97

NOTE 1:
NOTE 2:

ENTER NUMBER OF COPIES

INSTALLATION REPORTS: 1

Next Prior Find Go Select /Sort /Note Write Execute Help More Quit
```

Figure 4.3.4-28. Installation Summary Reports CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
Execute	This command invokes the appropriate process and prints a report on the results.
Write	Saves the current record to a file designated by the operator.

The following table provides a description of the fields contained on the previous screen for Installation Summary Reports.

Table 4.3.4-29. Installation Summary Reports Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Installation Date or Range				This date reflects the actual date this item was installed.
Note 1				Enter any notes to appear on the header of the report. This field is used to enter a 60 character note attached to this item.
Note 2				Enter any notes to appear on the header of the report. This field is used to enter a 2nd 60 character note attached to this item.
Installation Reports				This field is the installation report number assigned by the system when an installation had occurred and as reflected from the EIN Record for the Parent EIN.

4.3.4.1.5 Inventory Ordering Menu

imordm	ECS Management System Inventory Ordering Menu	11/19/97 10:26
--------	--	----------------

1. Order Point Parameters Manager

2. Generate Order Point Recommendations

3. Recommended Orders Manager

4. Transfer Order Point Orders

5. Consumable Inventory Query

6. Spares Inventory Query

7. Transfer Consumable & Spare Mat'l

Please enter selection (1 - 7 or name):

F1-help F3-prior menu F5-select F8-exit

Figure 4.3.4-29 Inventory Ordering Menu CHUI

The following process allows the user to designate and control some OEM items with the Order Point methodology.

Figure 4.3.4-29 depicts the ILM full menu for the user with authorization to perform all the listed functions. When the user authorization is more limited, this menu offers less options. In this and the following sections, the content of the menus and the screen layouts cover the complete functionality although all of the functions will not be available to every user.

The ILM **Inventory Ordering** menu allows the users to navigate to the following screens:

- **Order Point Parameters Manager;** allows the user to enter new items to be Order Point controlled. The user has the option when in Add mode to zoom to the data base of OEM items and tag one.
- **Generate Order Point Recommendations;** examines all items designated as Order Point control. examines the level of inventory for each item, and generates a recommended order for each item where the inventory quantity has fallen below the control values.
- **Recommend Orders Manager;** For each item to be transferred to the requisition or work order files, change the status to “T”..
- **Transfer Order Point Orders;** transfers all recommendations whose status has been set to “T” to the Requisition file, if the item is coded as a Buy item, or to the Work Order file, if the item is coded as a Make item.
- **Consumable Inventory Query;** This screen allows the user to view the inventory for only those items designated as consumable.
- **Spares Inventory Query;** This screen allows the user to view the inventory for only those items designated as spares.
- **Transfer Consumable & Spare Mat'l;** allows the user to transfer items designated as Consumable or Spares from one inventory location to another location or to become part of a machine structure.

These are the **Inventory Ordering** data entry, query, reporting screens. The following sections contain descriptions of each menus and its data screens.

The bottom line commands for each menu screen function the same as described for the main menu. Each data screen also has bottom line commands. The following is a list of the standard commands available on many of the data screens. Any additional commands provided on each data screen are described following the sample screen presented.

4.3.4.1.5.1 Order Point Parameters Manager

This screen is designed to allows the user to enter new items to be Order Point controlled. The user has the option when in Add mode to zoom to the data base of OEM items and tag one.

imordpntOrder Point Parameters Manager

[imordpnt] ORDER POINT PARAMETERS MAINT:

OEM PART NUMBER:

OEM DESC:

MOD/VER:

ORDER POLICY (0,1,2,F,L,P,Q,R,S): [P=fixed period Q=fixed quantity
R=optional replenishment
0,1,2=MRP S=MPS]

REORDER POINT:

MAX QTY ON HAND & ON ORDER:

REVIEW PERIOD (DAYS):

NEXT REVIEW DATE:

MULTIPLE ORDER QUANTITY:

MINIMUM ORDER QUANTITY:

MAXIMUM ORDER QUANTITY:

ADD: F1-help F2-clear F3-exit F4-mode F6-default /Zoom
Typeover mode

Figure 4.3.4-30. Order Point Parameters Manager CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6, /Zoom

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
/Zoom	Display a list of all the values of the selected field in the data base.
View	Toggles between “form” or record display and “table” or list display.

The following table provides a description of the fields contained on the previous screen for Order Point Parameters Manager.

Table 4.3.4-30 Order Point Parameters Manager Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
OEM Part Number				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
OEM Desc				This field is the OEM Description reflected from the EIN Record for the Parent EIN.
Mod/Ver				This field is used to enter the actual Model and or Version of the item.
Order Policy				Code to indicate how often and whether or not an automatic order of an item is to take place at a certain level of inventory.
Reorder Point				Quantity at which a reorder should occur.
Max. Qty on Hand and on Order				Number of items in stock plus the number on order.
Review Period				Number of dates to perform inventory check.
Next Review Date				Date of next inventory check.
Multiple Order Quantity				Number of items to order in a multiple parts/items order.
Minimum Order Quantity				Minimum number of items to order or reorder.
Maximum Order Quantity				Maximum number of items to order or reorder.

4.3.4.1.5.2 Generate Order Point Recommendations

This screen is designed to examine all items designated as Order Point control. It examines the level of inventory for each, and generates a recommended order for each item where the inventory quantity has fallen below the control values.

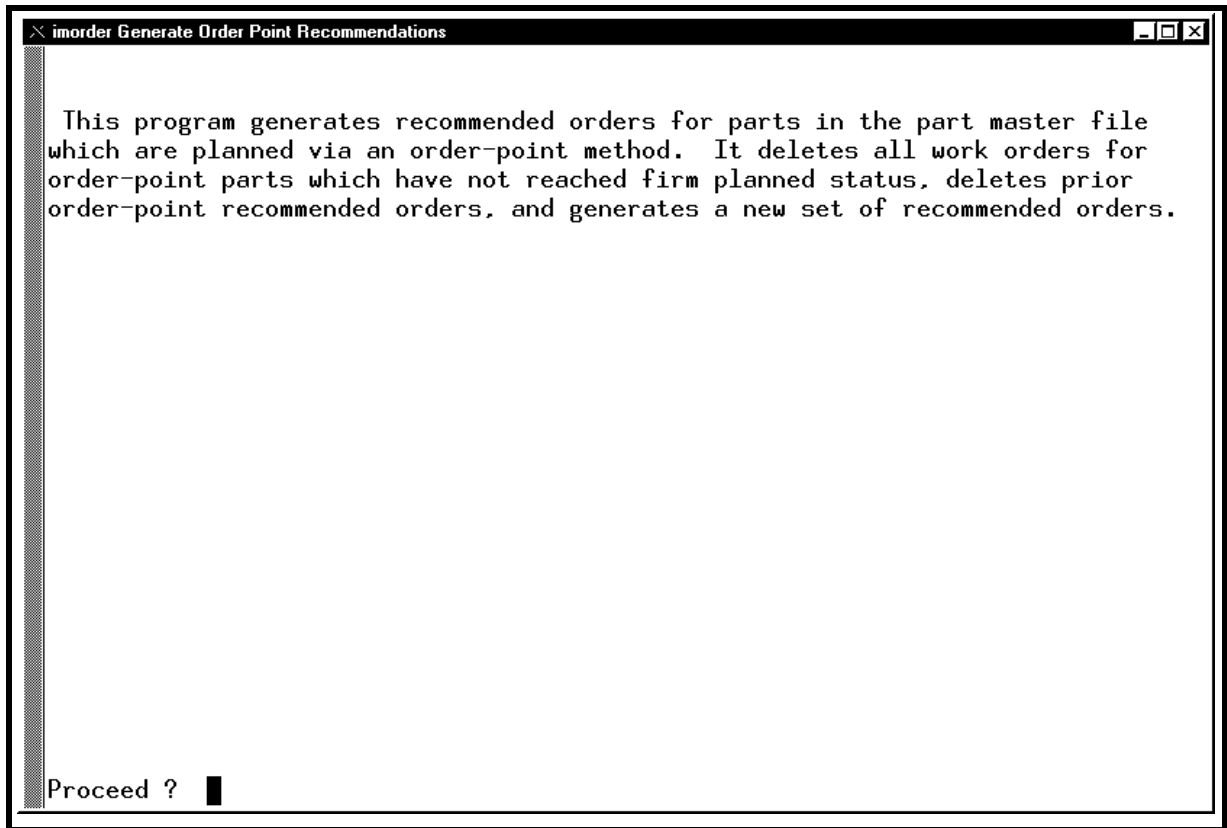


Figure 4.3.4-31. Generate Order Point Recommendations CHUI

Unique Bottom Line Commands:

Proceed? Y = continue with the process, N = quit. The default is “Y”.

The following table describes an option for the user to either proceed or cancel a function of the tool.

Table 4.3.4-31. Generate Order Point Recommendations Field Description

Field Name	Data Type	Size	Entry	Description
Proceed?				This screen does not display any fields. The user is presented with the option to invoke the function or cancel it.

4.3.4.1.5.3 Recommend Orders Manager

This screen is designed to change the status to “T” for each item to be transferred to the requisition or work order files.

imordmntRecommended Orders Manager

[imordmnt] RECOMMENDED ORDERS MAINTENANCE:

STATUS: [R=recommended X=Rejected T=To transfer]

ORDER QUANTITY:

OEM Part:

OEM Desc:

Mod/Ver:

Date of Recommendation:

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-32. Recommend Orders Manager CHUI

Unique Bottom Line Commands:

- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

The following table provides a description of the fields contained on the previous screen for Recommended Orders Manager.

Table 4.3.4-32. Recommend Orders Manager Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Status				This field is the current status of the item. Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
Order Quantity				Number of items to order.
OEM Part				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
OEM Desc				This field is the OEM Description reflected from the EIN Record for the Parent EIN.
Mod/Ver				This field is used to enter the actual Model and or Version of the item.
Date of Recommendation				Date the recommendation was recorded.

4.3.4.1.5.4 Transfer Order Point Orders

This screen is designed to transfer all recommendations whose status has been set to "T" to the Requisition file, if the item is coded as a Buy item, or to the Work Order file, if the item is coded as a Make item.

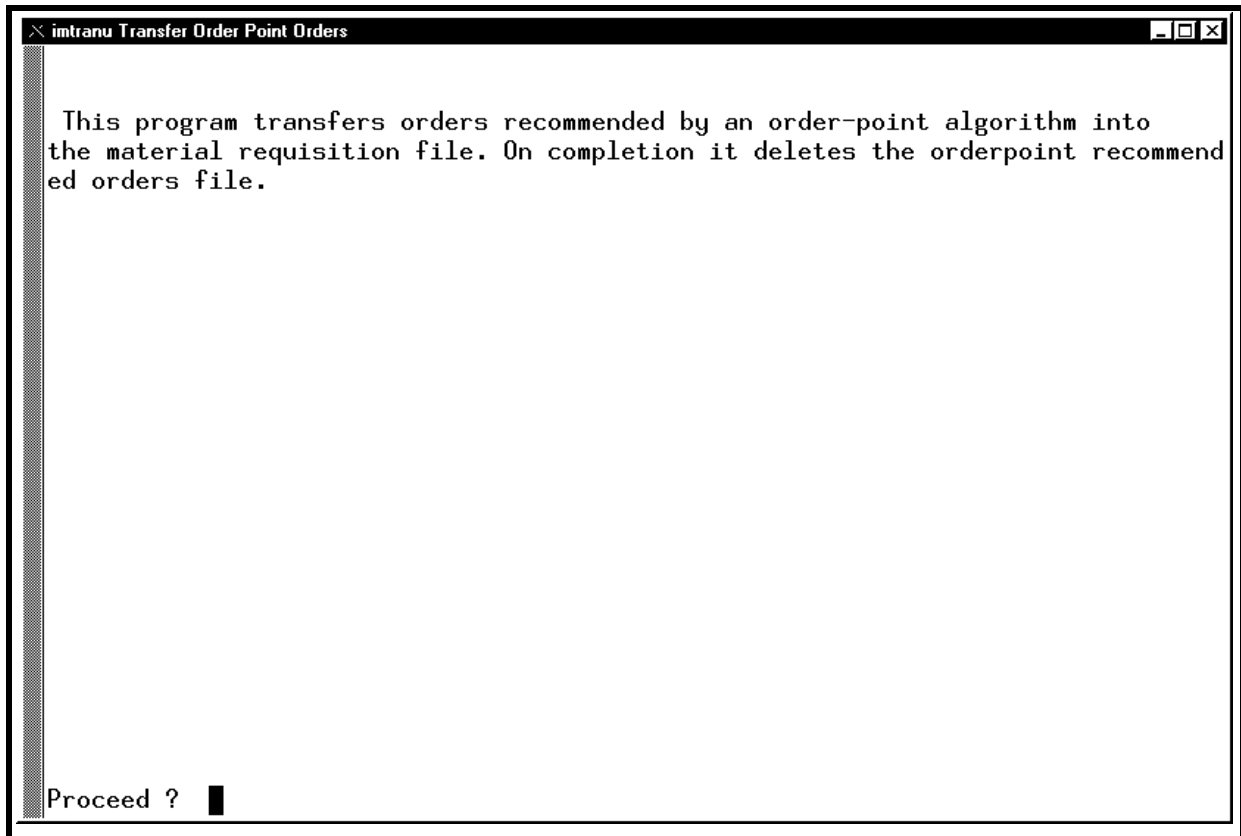


Figure 4.3.4-33. Transfer Order Point Orders CHUI

Unique Bottom Line Commands:

Proceed? Y = continue with the process, N = quit. The default is “Y”.

The following table provides a description of the fields contained on the previous screen for Transfer Order Point Orders.

Table 4.3.4-33. Transfer Order Point Orders Field Description

Field Name	Data Type	Size	Entry	Description
Proceed				Query to the user to determine whether to go on and generate recommendations.

4.3.4.1.5.5 Consumable Inventory Query

This screen allows the user to view the inventory for only those items designated as consumable.

consum Consumable Inventory Query

[consum] CONSUMABLE MATERIAL INVENTORY QUERY: Last: 1 Current: 1

Location: EDF
Item: DB1385
Building:
Description: ECS Development Facility
Location Type: W
OEM Part:
OEM Desc:
Quantity: 5.00
Date Of Last Activity: 11/18/97

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-34. Consumable Inventory Query CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
View	Toggles between “form” or record display and “table” or list display.

The following table provides a description of the fields contained on the previous screen for Consumable Inventory Query.

Table 4.3.4-34 Consumable Inventory Query Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Location				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
OEM Part Number				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
Building				This field is used to designate the building number within the site where the item is.
Description				is an auto filled field based upon your selection of the OEM PART number
Location Type				Specifies the material application at the site: Null or S = stock, R = received, N = non-nettable, W = work center, A = archive.
OEM Desc				This field is the OEM Description reflected from the EIN Record for the Parent EIN.
Quantity				Quantity of the item at this location.
Date of Last Activity				Date of last query.

4.3.4.1.5.6 Spares Inventory Query

This screen allows the user to view the inventory for only those items designated as spares.

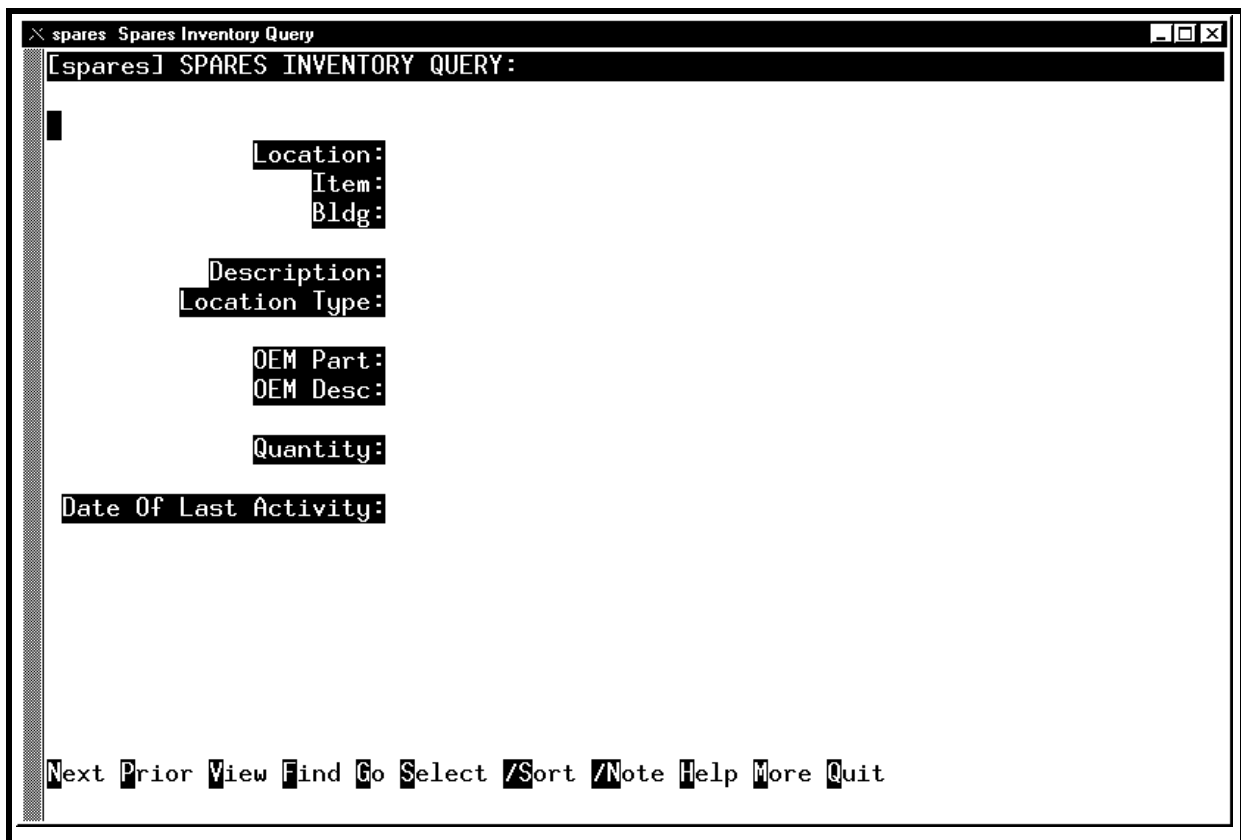


Figure 4.3.4-35. Spares Inventory Query CHUI

Unique Bottom Line Commands:

/Note	Add a note to the displayed record (data on the screen).
/Sort	Sort on the selected field of the displayed record (data on the screen).
View	Toggles between "form" or record display and "table" or list display.

The following table provides a description of the fields contained on the previous screen for Spares Inventory Query.

Table 4.3.4-35. Spares Inventory Query Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Location				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
OEM Part Number				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
Bldg				This field is used to designate the building number within the site where the item is.
Description				is an auto filled field based upon your selection of the OEM PART number
Location Type				Specifies the material application at the site: Null or S = stock, R = received, N = non-nettable, W = work center, A = archive.
OEM Desc				This field is the OEM Description reflected from the EIN Record for the Parent EIN.
Quantity				Quantity of item at this location.
Date of Last Activity				Date of last query.

4.3.4.1.5.7 Transfer Consumable & Spare Mat'l

This screen is designed to allow the user to transfer items designated as Consumable or Spares from an inventory location to another location or to become part of a machine structure.

imtransfTransfer Consumable & Spare Mat'l

[imtransf] TRANSFER MATERIAL:

BATCH NUMBER: _____ RETURN for next

DATE:

OEM PART:

QUANTITY:

REASON CODE: :

FROM LOCATION:

BUILDING:

ROOM:

NEW PARENT EIN:

Type:

uom:

ADD: F1-help F2-clear F3-exit F4-mode F6-default
Replace mode

Figure 4.3.4-36. Transfer Consumable & Spare Mat'l CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Note Add a note to the displayed record (data on the screen).
 /Sort Sort on the selected field of the displayed record (data on the screen).
 Check TBS
 Execute This command invokes the appropriate process and prints a report on the results.
 View Toggles between "form" or record display and "table" or list display.

The following table provides a description of the fields contained on the previous screen for Transfer Consumable & Spare Material.

Table 4.3.4-36 Transfer Consumable & Spare Mat'l Field Description

Field Name	Data Type	Size	Entry	Description
Last				Number of the last record from the database.
Current				Number of the current record from the database.
Batch Number				This is the system assigned batch number for the group of transactions the user enters. The user should always allow the system to assign the next sequential number by pressing RETURN at the field.
Date				Date of transfer. The current date is the default.
OEM Part				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
Quantity				Quantity of the item being transferred.
Reason Code				Appropriate reason code for the transfer. The operator may /Z (Zoom) to the reason code data base.
From Location				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
Building				This field is used to designate the building number within the site where the item is.
Room				This field is used to enter the actual room number of where the item is or will be shipped to.
Destination Location				This field is the new location code or site code where the parent was installed.
Building				This field is the new building code where the parent was installed.
Destination Room				This field is the new room code where the parent was installed.

4.3.4.1.6 PO / Receiving Menu

This section of the ILM is mainly used for procurement and property receiving.

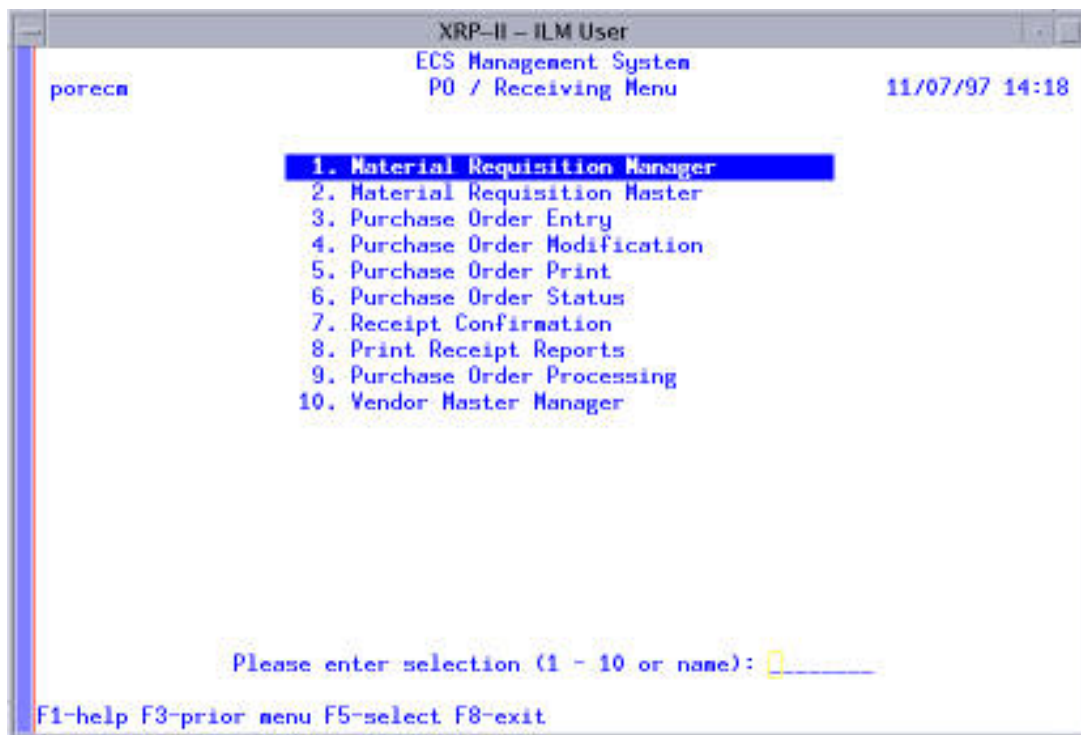


Figure 4.3.4-37. PO/Receiving Menu CHUI

The **PO / RECEIVING** menu is broken down into the following functions

Table 4.3.4-37. PO/Receiving Menu options

Menu item	Function	Section
Material Requisition Manager	Initiates the process of requisitioning consumables or spares. This requisition requires approval of the procurement manager before it turns into a purchase order.	4.3.4.1.6.1
Material Requisition Master	For buyers to examine all manual and system generated requisitions for the placement of Purchase Orders with Vendors.	4.3.4.1.6.2
Purchase Order Entry	Entry point for all Purchase Orders	4.3.4.1.6.3
Purchase Order Modification	Provides buyers with the ability modify existing PO information and the individual item records associated a PO.	4.3.4.1.6.4
Purchase Order Print	Prints the Purchase Order document for subsequent mailing to the vendor and/or copy to the receiving dock.	4.3.4.1.6.5
Purchase Order Status	Provides an inquiry into the PO file only.	4.3.4.1.6.6
Receipt Confirmation	Provides the receiving requirements for open PO's and is the entry point for assignment of EIN numbers into the system.	4.3.4.1.6.7
Print Receipt Reports	Provides ability to print past receipt reports.	4.3.4.1.6.8
Purchase Order Processing	Examines all open PO's and closes those that meet established criteria.	4.3.4.1.6.9
Vendor Master Maintenance	Permits the entry and modification of vendors and address data to the system.	4.3.4.1.6.10

The following pages describe the screens, the data, and the process for entering, modifying, and managing purchase order and property receiving data. Each selection item on the PO / RECEIVING menu is discussed, in order, as it appears on the menu screen. This discussion include sub menus, screens, and automatic triggers, if any, associated with the individual screen or field.

4.3.4.1.6.1 Material Requisition Manager

The Material Requisition Manager initiates the process of requisitioning consumables or spares. This requisition requires approval of the procurement manager before it turns into a purchase order.

4.3.4.1.6.1.1 Material Requisition Manager Screens

This screen permits users to enter requisitions of consumables or spares manually for transmission to buyers. This requisition requires approval of the procurement manager before it turns into a purchase order. Once approved, ILM will automatically generate a PO for the user.

vmreqmntMaterial Requisition Manager

[vmreqmnt] MATERIAL REQUISITION MAINTENANCE:

REQUISITION: RETURN for next

Purchase Order:

TYPE OF ORDER: [null=Miscellaneous S=Stock R=RFQ]

OEM PART:

Part Buyer:

UNIT OF MEASURE:

QUANTITY REQUIRED:

PRICE:

DUE DATE:

DESTINATION LOCATION:

RECOMMENDED VENDOR:

Name:

VENDOR PART:

CODE: NOTE:

ADD: F1-help F2-clear F3-exit F4-mode F6-default
Replace mode

Figure 4.3.4-38. Material Requisition Manager CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

/Zoom Display a list of all the values of the selected field in the data base.

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-38. Material Requisition Manager Machine Field Description

Field Name	Data Type	Size	Entry	Description
LAST & CURRENT REQUISITION				indicate the last requisition entered and the current requisition you are reviewing.
PURCHASE ORDER				is the PO # associated with this requisition
TYPE OF ORDER				allows you to select the appropriate code this requisition:
TYPE OF ORDER, NULL				or no entry, indicates that this is a miscellaneous purchase such as paper or toner cartridges.
TYPE OF ORDER, STOCK				is to replenish established stock levels.
TYPE OF ORDER, R				TBS
OEM PART				is the manufacturer's part number of the item(s) you are ordering. The next field, DESCRIPTION, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection
PART BUYER				is filled by ILM using your user ID
UNIT OF MEASURE				is the measure of the item you are buying. Use the /Zoom screen to assist your selection
QUANTITY REQUIRED				is the total number of items you wish to order.
PRICE				is the total price of each item.
DUE DATE				is calculated by ILM for you (Today plus 45 days.)
DESTINATION LOCATION				is where the items are to be delivered.
RECOMMENDED VENDOR				selects the vendor code and is your opportunity to select your vendor of choice for this item. Use the /Zoom screen to assist your selection. ILM fills in the name fields for you when you make this selection.
Name				Vendor name for the displayed vendor ID.
VENDOR PART				is the actual vendor part number if it differs from the OEM part number entered earlier on this screen.
CODE				is a special user code that you can associate with this requisition.
NOTE				is a field for you to enter a small note about this requisition. For example why you are buying this material or who told you to order these items, etc.

Remember to press <ENTER> after each field.

4.3.4.1.6.2 Material Requisition Master

Material Requisition Master provides buyers with the capability to examine all manual and system generated requisitions for the placement of Purchase Orders with Vendors.

4.3.4.1.6.2.1 Material Requisition Master Screen

The screenshot shows a terminal window titled "vmreqmstMaterial Requisition Master". The main display area contains the following fields and values:

- REQUISITION: 6
- PURCHASE ORDER: [blank]
- TYPE OF ORDER: S [null=Miscellaneous S=Stock R=RFQ]
- PERSON REQUESTING: auto
- OEM PART: SK-540
- UNIT OF MEASURE: EA
- QUANTITY REQUIRED: 10.0
- PRICE: 13455.0000
- DUE DATE: 07/21/97
- DESTINATION LOCATION: [blank]
- RECOMMENDED VENDOR: [blank]
- Name: [blank]
- VENDOR PART: [blank]
- DATE ENTERED: 07/21/97

At the bottom left, there are two labels: "CODE:" and "NOTE:". At the bottom of the screen, a row of navigation commands is displayed: "Next Prior View Find Go Select /Sort /Note Help More Quit".

Figure 4.3.4-39. Material Requisition Master CHUI

This screen is the master for buyers to examine all manual and system generated requisitions for the placement of Purchase Orders with Vendors.

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the "tagged" displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
 /Modify Modify (store) the displayed record (data on the screen) in the data base.
 /Note Add a note to the displayed record (data on the screen).
 /Sort Sort on the selected field of the displayed record (data on the screen).
 View Toggles between “form” or record display and “table” or list display.

Please consult the XRP-II Purchasing Manual for details of use and the fields on this screen.

Table 4.3.4-39. Material Requisition Master Machine Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
LAST & CURRENT				indicate the last requisition entered and the current requisition you are reviewing.
REQUISITION				is the requisition number assigned to this Material Requisition. It automatically generated when the user presses the <ENTER> key.
PURCHASE ORDER				is the PO # associated with this requisition
TYPE OF ORDER				allows you to select the appropriate code this requisition:
TYPE OF ORDER, NULL				or no entry, indicates that this is a miscellaneous purchase such as paper or toner cartridges.
TYPE OF ORDER, STOCK				is to replenish established stock levels.
TYPE OF ORDER, R				TBS
PERSON REQUESTING				Name of person completing the requisition. Automatically filled in from the operator's UserID.
OEM PART				is the manufacturer's part number of the item(s) you are ordering. The next field, DESCRIPTION, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection
PART BUYER				is filled by ILM using you user ID
UNIT OF MEASURE				is the measure of the item you are buying. Use the /Zoom screen to assist your selection

Table 4.3.4-39. Material Requisition Master Machine Field Description (2 of 2)

Field Name	Data Type	Size	Entry	Description
QUANTITY REQUIRED				is the total number of items you wish to order.
PRICE				is the total price of each item.
DUE DATE				is calculated by ILM for you (Today plus 45 days.)
DESTINATION LOCATION				is where the items are to be delivered.
RECOMMENDED VENDOR				selects the vendor code and is your opportunity to select your vendor of choice for this item. Use the /Zoom screen to assist your selection. ILM fills in the name fields for you when you make this selection.
Name				Vendor name
VENDOR PART				is the actual vendor part number if it differs from the OEM part number entered earlier on this screen.
CODE				is a special user code that you can associate with this requisition.
NOTE				is a field for you to enter a small note about this requisition. For example why you are buying this material or who told you to order these items, etc.

Remember to press <ENTER> after each field.

4.3.4.1.6.3 Purchase Order Entry

Purchase Order Entry is the entry point for all Purchase Orders. There are 2 screens for the Purchase Order Entry.

4.3.4.1.6.3.1 Purchase Order Entry Screen

This screen is the entry point for all Purchase Orders. The screen is presented to the operator in ADD mode. When the header record has been completed, the operator will invoke the items page to add line items for the material being purchased.

Occasionally, there may be a need to enter a new PO using the ILM. The following information is designed to make you data entry task easier. Below, is a listing of fields found on the Purchase Order Entry Form and its child screen PO Component Entry Screen.

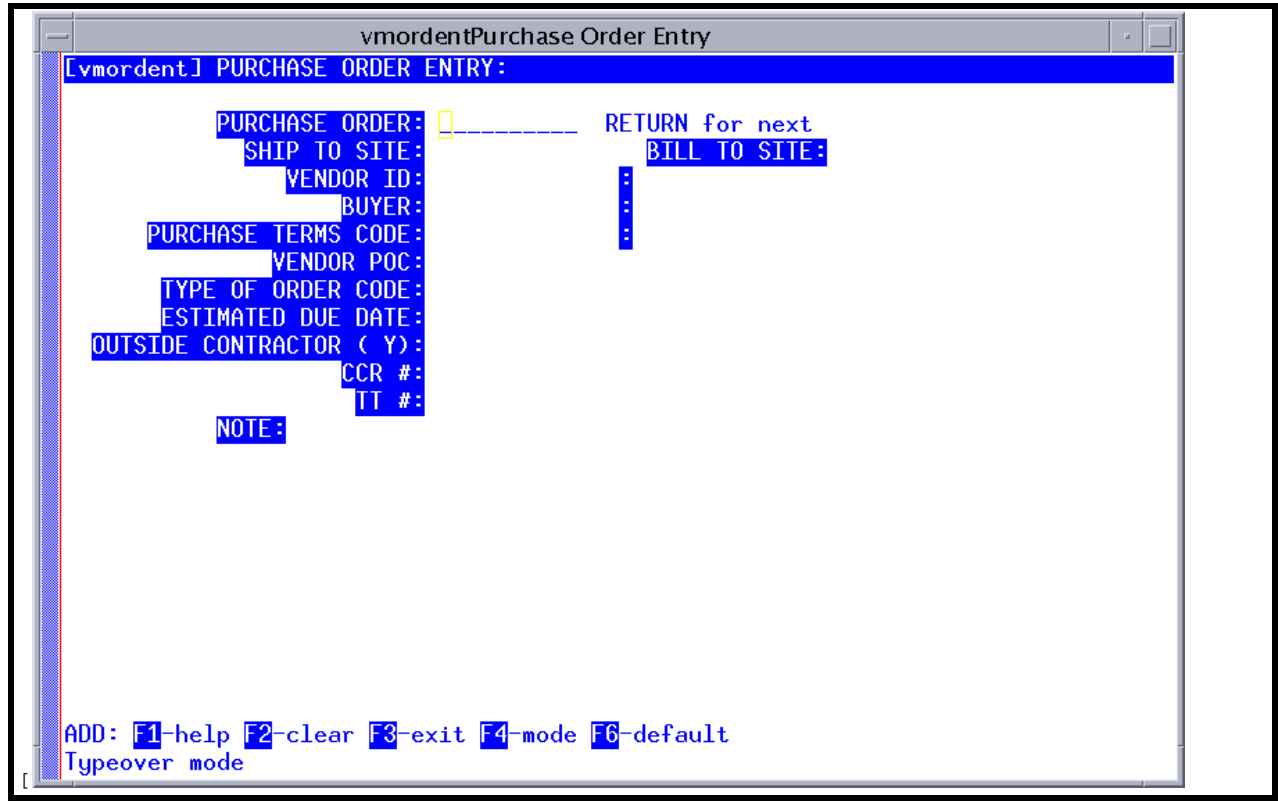


Figure 4.3.4-40. Purchase Order Entry CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-40. Purchase Order Entry Field Description

Field Name	Data Type	Size	Entry	Description
PURCHASE ORDER				This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN> . The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
SHIP TO SITE				Enter the site code for the material to be shipped to. The default is the current site. The operator may /Zoom to the Location table for other location codes.
BILL TO SITE				Enter the site code for the vendor to send the invoice. The operator may /Zoom to the Location table for other location codes.
VENDOR ID				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
BUYER				Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
PURCHASE TERMS CODE				Enter the terms code for the PO.
VENDOR POC				Enter the name of the person designated as the point of contact at the vendor facility.
TYPE OF ORDER CODE				This field should always be left at the default of 'S'.
ESTIMATED DUE DATE				Enter the estimated due date for the material being ordered.
OUTSIDE CONTRACTOR				This field should always be left at the default of 'Y'.
CCR #				Enter the appropriate CCR number that this PO is satisfying.
TT #				Enter the appropriate Trouble Ticket number if this PO is open because of a trouble ticket.
NOTE				Enter a short note to describing why this PO is used

Remember to press **<ENTER>** after each field.

4.3.4.1.6.3.2 Item Page for Purchase Order Entry

Selecting **Item** from the bottom line commands will display the following screen with purchase order item information.

The screenshot shows a window titled "vmordentPurchase Order Entry". The main content area displays the following information:

[vmordent] PURCHASE ORDER ENTRY: Last: 1 Current: 1
Purchase Order: 0000000037 Ship To Site: EDF Bill To Site: EDF
Vendor Id:

#	REQN	OEMPART	QUANTITY	DUE DATE	ITEM PRICE
1					

Below the table, there are fields for:

DESC:
MOD/VER:
DEST: BLDG:

At the bottom, there is a legend for the bottom line commands:

ADD: F1-help F2-clear F3-exit F4-mode F6-default
Replace mode

Figure 4.3.4-41. Item Page for Purchase Order Entry CHUI

Unique Bottom Line Commands:

Table 4.3.4-41. Item Page for Purchase Order Entry Field Description

Field Name	Data Type	Size	Entry	Description
LAST & CURRENT				indicate the last requisition entered and the current requisition you are reviewing.
PURCHASE ORDER				This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN> . The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
SHIP TO SITE				Enter the site code for the material to be shipped to. The default is the current site. The operator may /Zoom to the Location table for other location codes.
BILL TO SITE				Enter the site code for the vendor to send the invoice. The operator may /Zoom to the Location table for other location codes.
VENDOR ID				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
# (PO)				Count of entries on the Item Page
REQN (PO)				is the requisition number assigned to this Purchase Order. <i>It automatically generated when the user presses the <ENTER> key.</i>
OEMPART (PO)				is the manufacturer's part number of the item(s) you are ordering. <i>The field, DESC, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection</i>
QUANTITY (PO)				Number of items on order.
DUE DATE				<i>is calculated by ILM for you (Today plus 45 days.)</i>
ITEM PRICE				This field is the purchase cost of the item. <i>Same as COST.</i>
DESC (PO)				is an auto filled field based upon your selection of the OEM PART number
MOD/VER (PO)				This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file.
DEST (PO)				This field is the destination location or site code where the parent and children are being shipped to. The user may /Z, Zoom at this field to display the location data base.
BDLG (PO)				This field is used to designate the building number within the site where the item is.

Remember to press <ENTER> after each field.

4.3.4.1.6.3.3 Entering a Purchase Order

1. Press enter for the PO Number. This number must begin with the first three characters of the site name, e.g. EDF. If this is not so, see the ILM Administrator.
2. Enter the key data elements by selecting the appropriate item from either the pop-up screen or by /Zooming to an additional screen of information.
3. Press **F3** to exit Add mode.
4. Press < **I** > to navigate o the Items page.
5. Press enter to obtain the next sequential line number.
6. /Zoom to the Requisition or OEM Part as appropriate, enter the quantity, due date, price, destination location, and building.
7. Continue as required for more line items.
8. When complete, press **F3** until the menu reappears.

4.3.4.1.6.4 Purchase Order Modification

Purchase Order Modification provides buyers with the ability modify existing PO information and the individual item records associated a PO.

4.3.4.1.6.4.1 Purchase Order Modification Screens

This screen provides buyers with the ability modify existing PO information and the individual item records associated a PO.

vmordmodPurchase Order Modification

[vmordmod] PURCHASE ORDER MODIFICATION: Last: 1297 Current: 1

PURCHASE ORDER: 0000000002 CHANGE NUMBER: 0

SHIP-TO BRANCH: EDF BILL-TO BRANCH: EDF

VENDOR ID: APL 0 : Apple Computer Corp

STATUS: [null=Active R=Released C=Complete X=Canceled]

BUYER:

PURCHASE TERMS CODE:

VENDOR POC:

TYPE OF ORDER CODE: S

OUTSIDE CONTRACTOR (Y): N

CCR #:

IT #:

ESTIMATED DUE DATE: 11/05/97

OPERATOR ID: tgalla

NOTE:

Total: 0.00

Next Prior View Find Go Select /Sort /Note Items Help More Quit

Figure 4.3.4-42. Purchase Order Modification CHUI

Unique Bottom Line Commands:

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

View Toggles between “form” or record display and “table” or list display.

This screen is similar to the PO entry screen.

Table 4.3.4-42 Purchase Order Modification Field Description

Field Name	Data Type	Size	Entry	Description
PURCHASE ORDER				This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN> . The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
CHANGE NUMBER				Enter the numeric value of the change number for PO's that have experienced modifications from the original entry date.
SHIP TO BRANCH				Enter the site code for the material to be shipped to. The default is the current site. The operator may /Zoom to the Location table for other location codes.
BILL TO BRANCH				Enter the site code for the vendor to send the invoice. The operator may /Zoom to the Location table for other location codes.
VENDOR ID				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
STATUS				Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
BUYER				Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
PURCHASE TERMS CODE				Enter the terms code for the PO.
VENDOR POC				Enter the name of the person designated as the point of contact at the vendor facility.
TYPE OF ORDER CODE				This field should always be left at the default of 'S'.
ESTIMATED DUE DATE				Enter the estimated due date for the material being ordered.
OPERATOR ID				This field reflects the operator who entered the PO and is not modifiable.
OUTSIDE CONTRACTOR				This field should always be left at the default of 'Y'.
CCR #				Enter the appropriate CCR number that this PO is satisfying.
TT #				Enter the appropriate Trouble Ticket number if this PO is open because of a trouble ticket.
NOTE				Enter a short note to describing why this PO is used
TOTAL				This is the system calculated value of the order.

Remember to press <ENTER> after each field.

4.3.4.1.6.4.2 Modifying a Purchase Order

1. Perform a “Find” or a “Select” to locate the desired PO. For more information on using the FIND or SELECT bottom line commands, review Appendix A, Bottom Line Commands. You may also press <V>, VIEW and select for the list on the screen. Simply move the cursor to the desired PO and press <V> again. ILM will return you to the modification screen
2. To actually alter data elements enter </M>. This places you into modify mode. Alter any data elements on the PO header screen as required. Remember, press enter after each field alteration or ILM will not accept the change.
3. When modifications are complete, press <F3> to exit modify mode
4. To alter individual line item parts of the PO press < I > to move to the ITEMS screen. Review the line items and move the cursor to the line item you want to modify. Again, press </M> to enter modification mode and alter data as required.
5. When modifications are complete, press <F3> to exit modify mode

4.3.4.1.6.5 Purchase Order Print

Purchase Order Print prints the Purchase Order document for subsequent mailing to the vendor and/or copy to the receiving dock.

4.3.4.1.6.5.1 Purchase Order Print Screens

This screen prints the Purchase Order document for subsequent mailing to the vendor and/or copy to the receiving dock. You may consult HTG’s XRP-II Purchasing Management Reference Manual, section 2.6.16, pages 14, for use of the /R, Report Command. This command provides you a methodology of obtaining quick reports from ILM.

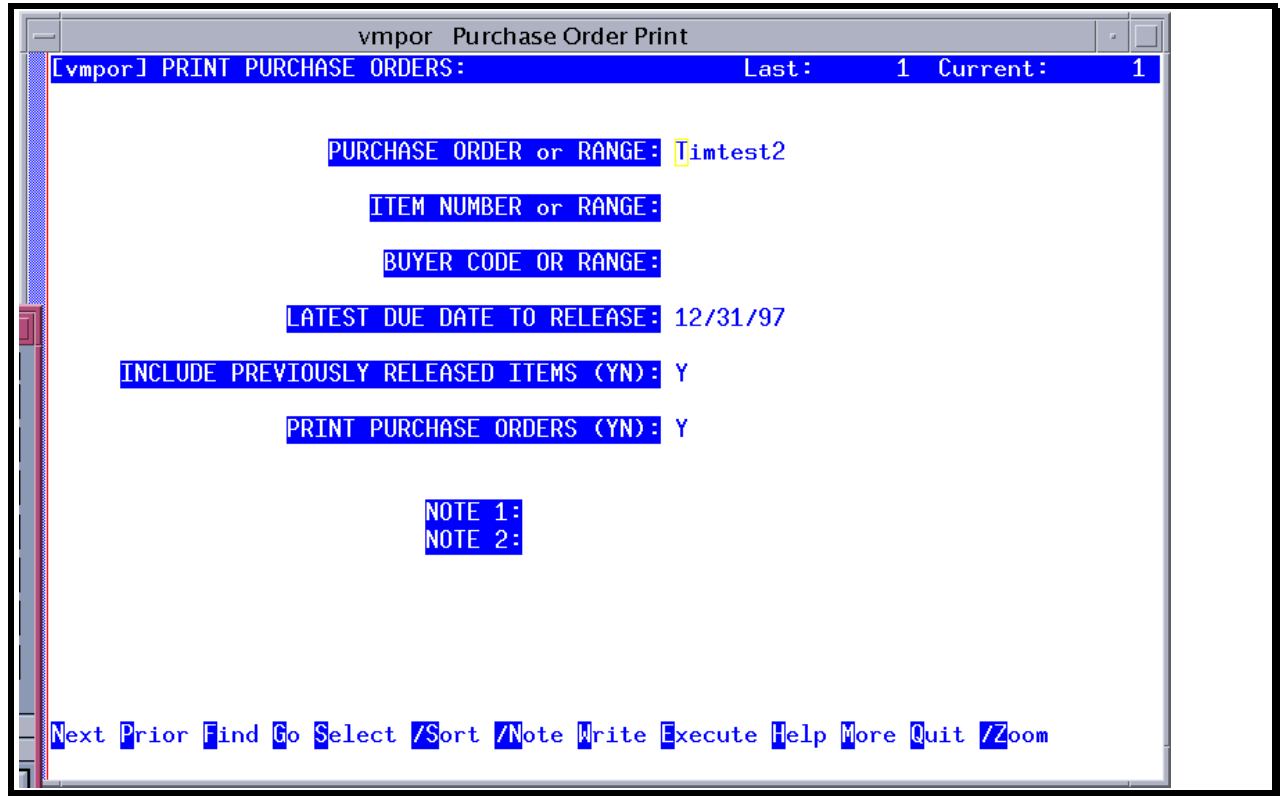


Figure 4.3.4-43. Purchase Order Print CHUI

Unique Bottom Line Commands:

- /Add** Add (store) the displayed record (data on the screen) to the data base.
- /Copy** Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete** Delete the displayed record (data on the screen) from the data base.
- /Insert** Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify** Modify (store) the displayed record (data on the screen) in the data base.
- /Note** Add a note to the displayed record (data on the screen).
- /Sort** Sort on the selected field of the displayed record (data on the screen).
- /Zoom** Display a list of all the values of the selected field in the data base.
- Execute** This command invokes the appropriate process and prints a report on the results.
- Write** Saves the current record to a file designated by the operator.

Please consult the HTG’s XRP-II Purchasing Management Reference Manual, section 5.3, page 35 & 36, for details of use and the fields on this screen.

Table 4.3.4-43. Purchase Order Print Field Description

Field Name	Data Type	Size	Entry	Description
PURCHASE ORDER or RANGE				This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN> . The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
ITEM NUMBER or RANGE				TBS
BUYER CODE or RANGE				Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
LATEST DUE DATE to RELEASE				is calculated by ILM for you (Today plus 45 days.)
INCLUDE PREVIOUSLY RELEASED ITEMS (YN)				Include (Y) items covered in the selected POs that have a RELEASE CODE showing the item is released. Else (N) display only unreleased items.
PRINT PURCHASE ORDERS (YN)				Print (Y) the displayed information. Else (N) do not print.
NOTE 1 and NOTE 2				Enter any notes to appear on the header of the report.

Remember to press <ENTER> after each field.

4.3.4.1.6.6 Purchase Order Status

Purchase Order Status provides an inquiry into the PO file only.

4.3.4.1.6.6.1 Purchase Order Status Screens

This screen provides an inquiry into the PO file only.

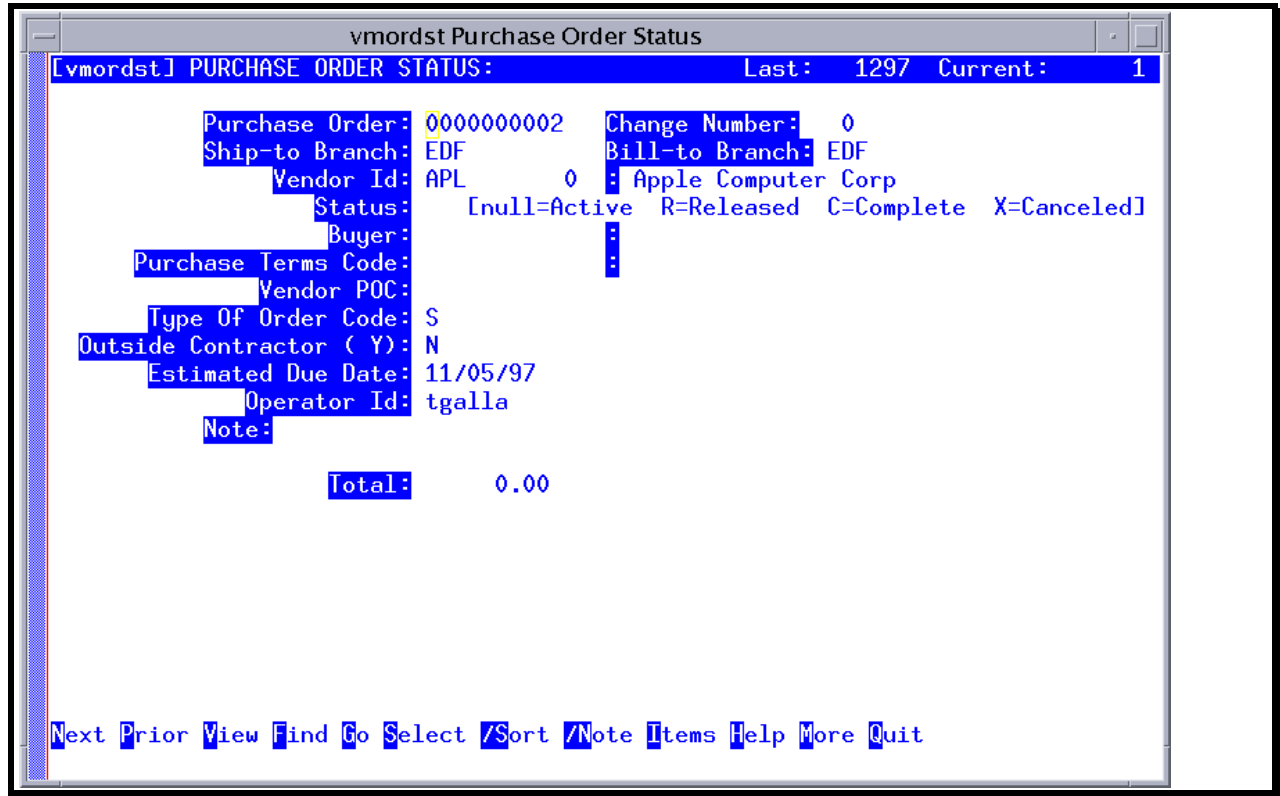


Figure 4.3.4-44. Purchase Order Status CHUI

Unique Bottom Line Commands:

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-44 Purchase Order Status Field Description

Field Name	Data Type	Size	Entry	Description
PURCHASE ORDER				This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN> . The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
CHANGE NUMBER				Enter the numeric value of the change number for PO's that have experienced modifications from the original entry date.
SHIP TO BRANCH				Enter the site code for the material to be shipped to. The default is the current site. The operator may <i>/Zoom</i> to the Location table for other location codes.
BILL TO BRANCH				Enter the site code for the vendor to send the invoice. The operator may <i>/Zoom</i> to the Location table for other location codes.
VENDOR ID				Enter the vendor ID. The operator may <i>/Zoom</i> to the vendor data base to choose the appropriate vendor code.
STATUS				Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
BUYER				Enter the buyer ID. The operator may <i>/Zoom</i> to the buyer data base to obtain the appropriate value.
PURCHASE TERMS CODE				Enter the terms code for the PO.
VENDOR POC				Enter the name of the person designated as the point of contact at the vendor facility.
TYPE OF ORDER CODE				This field should always be left at the default of 'S'.
OUTSIDE CONTRACTOR				This field should always be left at the default of 'Y'.
ESTIMATED DUE DATE				Enter the estimated due date for the material being ordered.
OPERATOR ID				This field reflects the operator who entered the PO and is not modifiable.
NOTE				Enter a short note to describing why this PO is used
TOTAL				This is the system calculated value of the order.

Remember to press <ENTER> after each field.

4.3.4.1.6.7 Receipt Confirmation

Receipt Confirmation provides the receiving requirements for open PO's and is the entry point for assignment of EIN numbers into the system.

4.3.4.1.6.7.1 Receipt Confirmation Screens

This screen provides the receiving requirements for open PO's and is the entry point for assignment of EIN numbers into the system. The operator should always permit the system to assign the next sequential system assigned receiving sequence number, enter the required fields, and then invoke the Items screens to display all open line items on the entered PO. The operator will enter the actual quantities of each line item in this screen and then exit. Upon exit, the system will query the master record for each item and, if the item has been previously designated as a consumable or spare item, the transaction is performed. If not, the operator is asked if the item is consumable or spare. If the operator replies 'N' for no, the system then displays the EIN entry screen for assignment of EIN numbers

The screenshot shows a terminal window titled "vmrecv Receipt Confirmation". The main display area contains the following text:

```
[vmrecv] RECEIPT CONFIRMATION: Last: 42 Current: 1

Receipt: 43

PURCHASE ORDER: Timest1
Vendor name: Atria Software Corp

STATUS: [C=Complete X=Canceled]
DATE ENTERED: 08/22/97

RECEIVED BY: 370

DEFAULT RECEIPT LOCATION:
SUBLOCATION/LOT:

PACKING LIST: q121w
```

At the bottom of the screen, there is a navigation bar with the following options: Next, Prior, View, Find, Go, Select, /Sort, /Note, Items, Help, More, Quit.

Figure 4.3.4-45. Receipt Confirmation CHUI

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

View Toggles between “form” or record display and “table” or list display.

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

Please consult the XRP-II Purchasing Manual for details of use and the fields on this screen.

Table 4.3.4-45. Receipt Confirmation Field Description

Field Name	Data Type	Size	Entry	Description
RECEIPT				Receipt tracking number assigned by the program.
PURCHASE ORDER (requisition)				is the PO # associated with this requisition
Vendor name				Vendor name on the PO
STATUS				Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
Date Entered				This field is a system assigned date when the record was added to the data base and not modifiable by the user.
RECEIVED BY				UserId code of the operator entering this receipt.
DEFAULT RECEIPT LOCATION				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
SUBLOCATION/ LOT				Additional identification of the receipt location.
PACKING LIST				Tracking Identifier/ ID of the packing list included in the received shipment.

Remember to press <ENTER> after each field.

4.3.4.1.6.8 Print Receipt Reports

Print Receipt Reports provides ability to print past receipt reports.

4.3.4.1.6.8.1 Print Receipt Reports Screens

This screen provides ability to print past receipt reports.

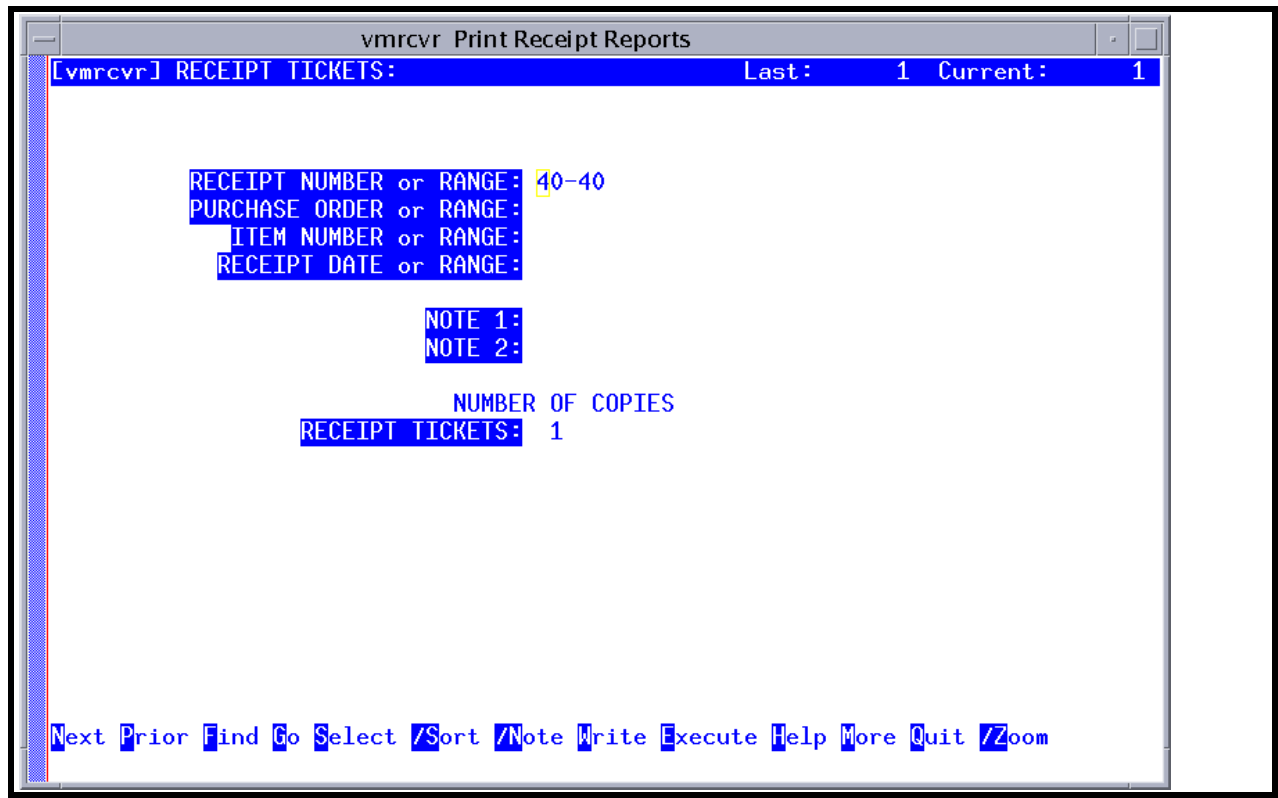


Figure 4.3.4-46. Print Receipt Reports CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.

Execute This command invokes the appropriate process and prints a report on the results.

Write Saves the current record to a file designated by the operator.

Table 4.3.4-46. Print Receipt Reports Field Description

Field Name	Data Type	Size	Entry	Description
RECEIPT NUMBER or RANGE				Receipt tracking number(s) to report.
PURCHASE ORDER or RANGE				PURCHASE ORDER number(s) to report.
ITEM NUMBER or RANGE				Item number(s) to report.
RECEIPT DATE or RANGE				Receipt date(s) to report.
NOTE 1 and NOTE 2				Enter any notes to appear on the header of the report.
NUMBER OF COPIES				Enter any number of copies of the Print Receipts report to print.

Remember to press <ENTER> after each field.

4.3.4.1.6.9 Purchase Order Processing

Purchase Order Processing examines all open PO's and closes those that meet established criteria.

4.3.4.1.6.9.1 Purchase Order Processing Screens

This function examines all open PO's and closes those that meet established criteria.

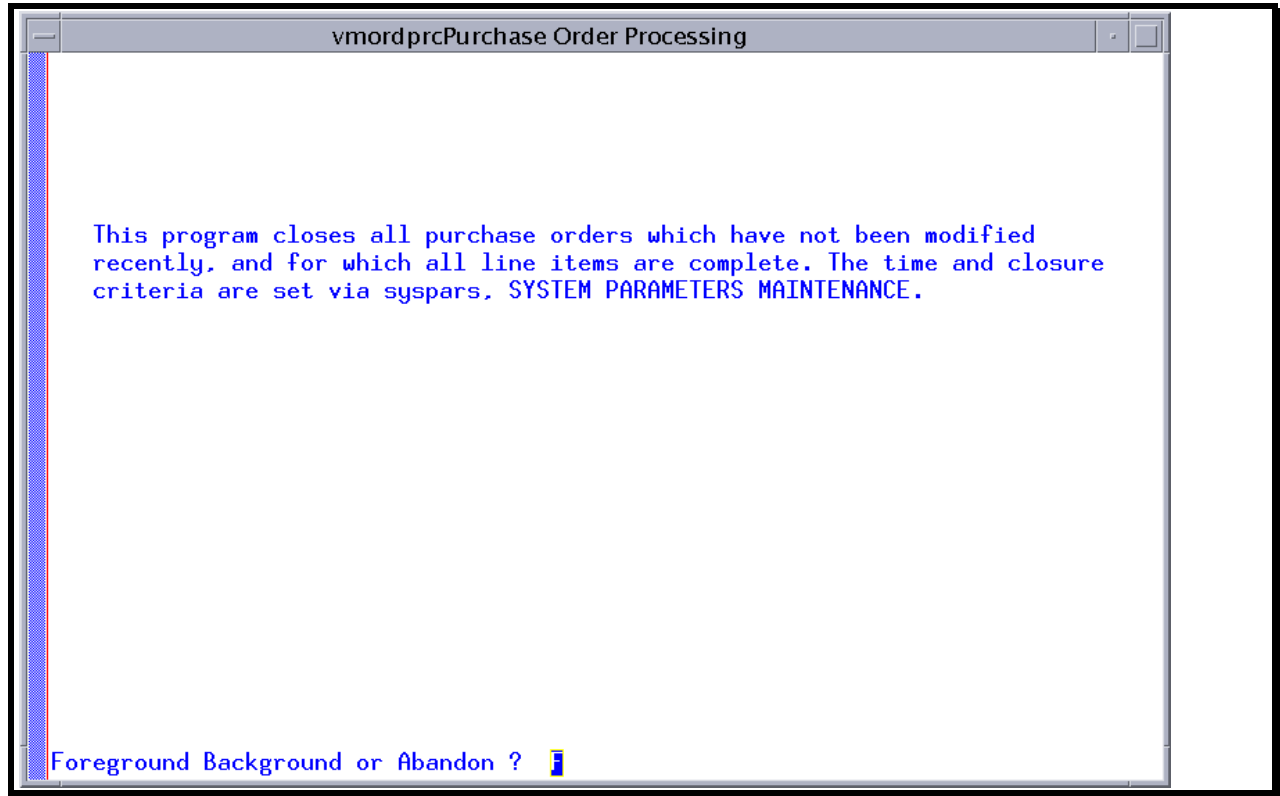


Figure 4.3.4-47. Purchase Order Processing CHUI

Unique Bottom Line Commands:

Foreground Background or Abandon? Foreground performs the process while connected to the display: no other XRP-II functions may be used until the process completes. Background performs the process and allow other XRP-II functions to be performed. Abandon terminates the Purchase Order Processing.

Remember to press <ENTER> after each field.

4.3.4.1.6.10 Vendor Master Maintenance

Vendor Master Maintenance permits the entry and modification of vendors and address data to the system.

4.3.4.1.6.10.1 Vendor Master Maintenance Screens

This screen permits the entry and modification of vendors and address data to the system. The user will enter or modify the fields as required on this screen then invoke the address page to perform any modifications required for the address data for each vendor.

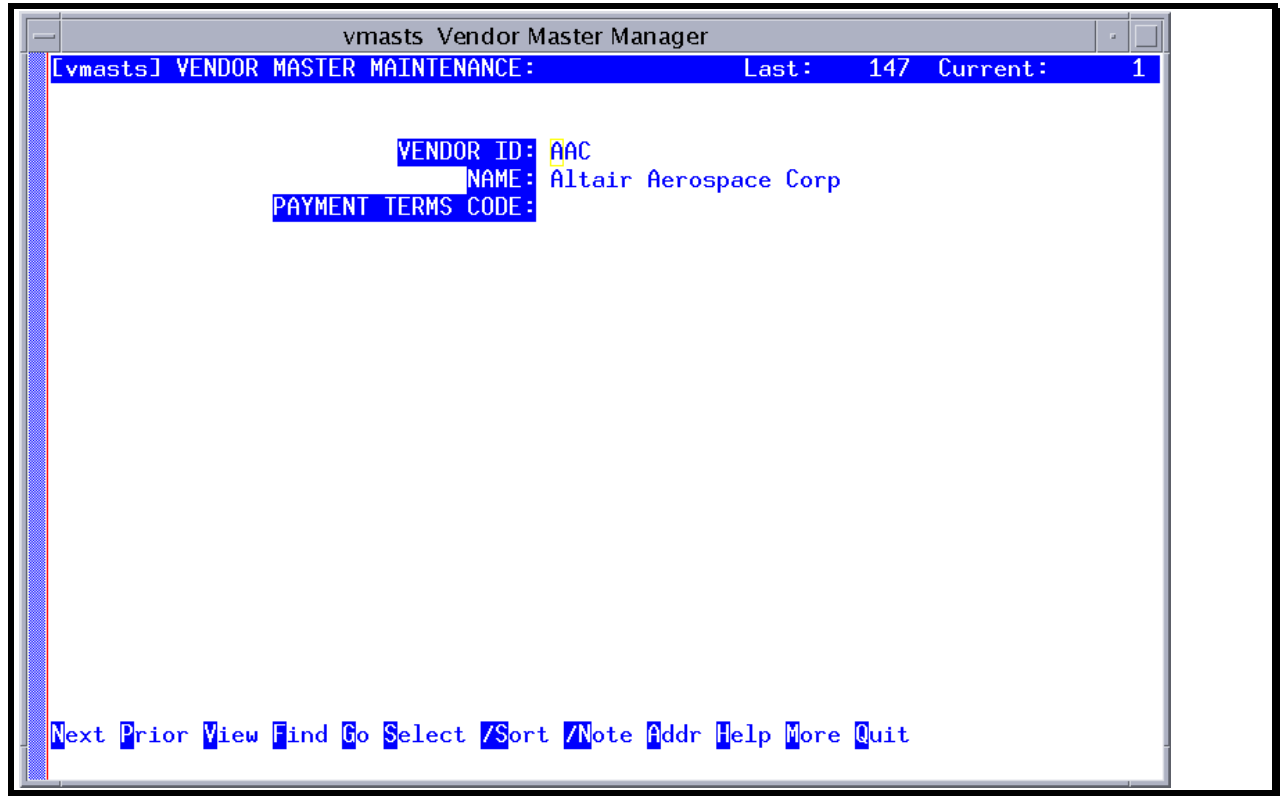


Figure 4.3.4-48. Vendor Master Maintenance CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- Addr *TBS*
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-47. Vendor Master Maintenance Field Description

Field Name	Data Type	Size	Entry	Description
VENDOR ID				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
NAME				Vendor name for the displayed vendor ID.
PAYMENT TERMS CODE				Enter code for payment. The operator may /Zoom to the payment terms data base to choose the appropriate terms code.

Remember to press <ENTER> after each field.

4.3.4.1.7 Maintenance Menu

The ILM Maintenance Menu is used to maintain the ILM database of maintenance oriented data, generate and track Work Orders for maintenance actions, and schedule preventative maintenance for appropriate items.

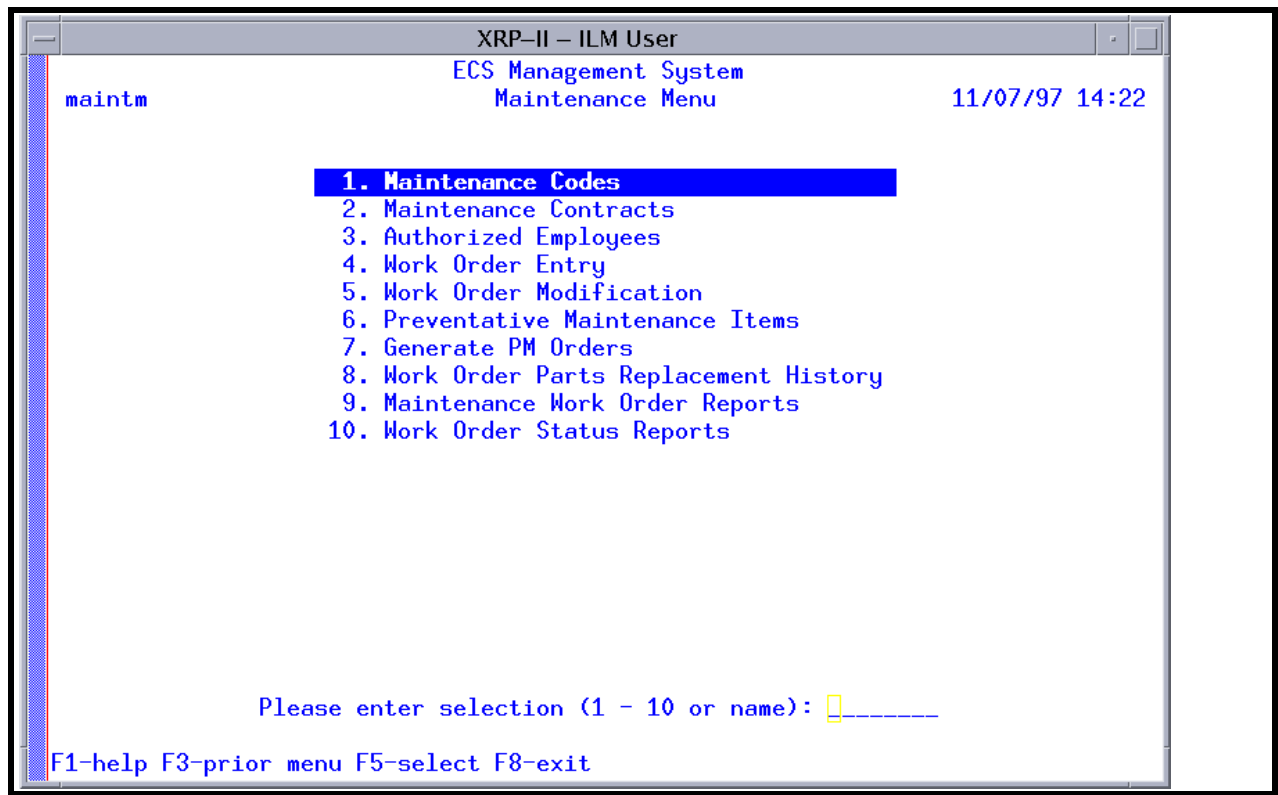


Figure 4.3.4-49. Maintenance Menu CHUI

The Maintenance menu is broken down into the following functions:

Table 4.3.4-48. Maintenance Menu options

Menu item	Function	Section
Maintenance Codes	Provides the ability to establish failure codes and descriptions for use with repairs and replacements.	4.3.4.1.7.1
Maintenance Contracts	Provides the ability enter and maintain contracts numbers for repair contracts with vendors and suppliers.	4.3.4.1.7.2
Authorized Employees	Provides the ability enter and maintain employee codes for employees who have been permitted access to the vendor for repair notification.	4.3.4.1.7.3
Work Order Entry	Provides the ability enter Work Orders for repairs	4.3.4.1.7.4
Work Order Modification	Provides the ability to modify Work Orders for repairs	4.3.4.1.7.5
Preventative Maintenance Items	Provides the ability to designate which items in the EIN file should experience preventative maintenance.	4.3.4.1.7.6
Generate PM Orders	Provides the ability to generate Work Orders for item needing a PM.	4.3.4.1.7.7
Work Order Parts Replacement History	Generates a series of reports detailing parts replacement.	4.3.4.1.7.8
Maintenance Work Order Reports	Provides Work Order Reports for work done on selected machines.	4.3.4.1.7.9
Work Order Status Reports	Provides status reports on selected Work Orders.	4.3.4.1.7.10

4.3.4.1.7.1 Maintenance Codes

Maintenance Codes provides the ability to establish failure codes and descriptions for use with repairs and replacements.

4.3.4.1.7.1.1 Maintenance Codes Screens

This screen provides the ability to establish failure codes and descriptions for use with repairs and replacements.

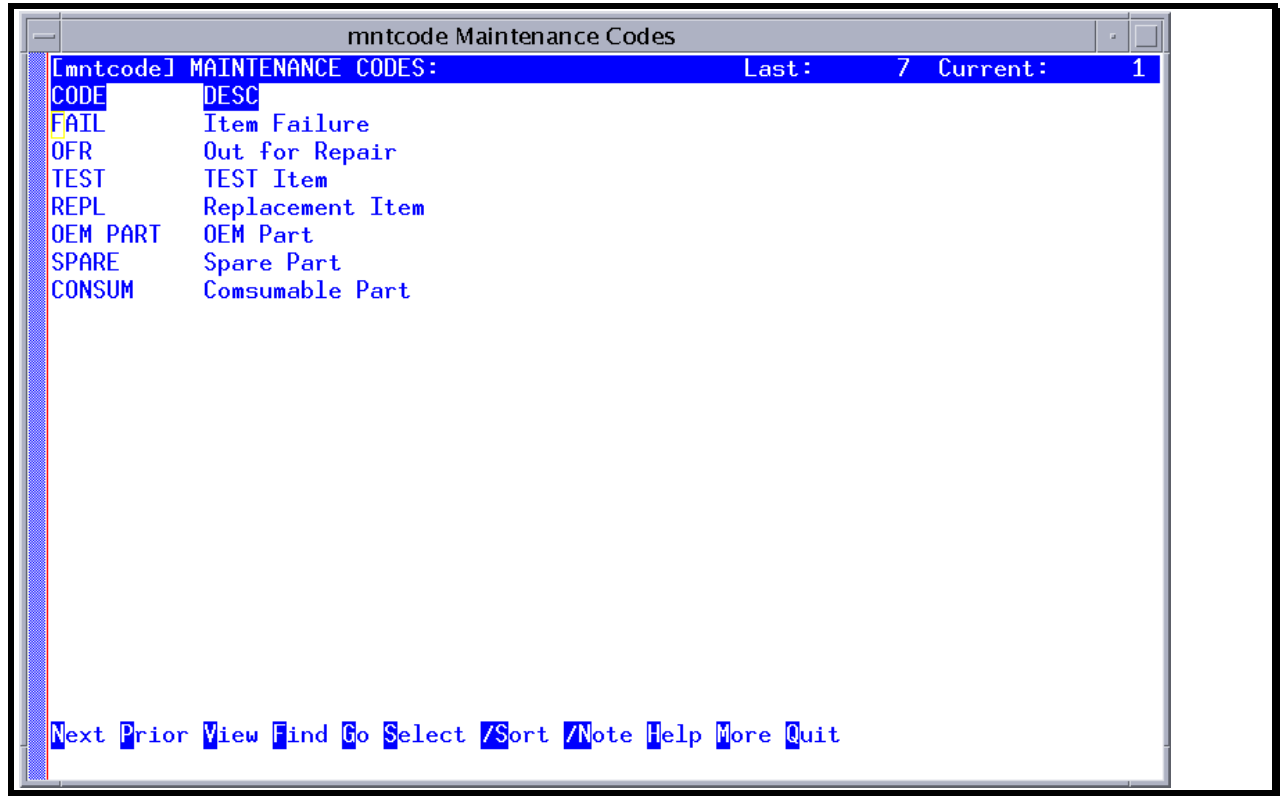


Figure 4.3.4-50. Maintenance Codes CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-49. Maintenance Codes Field Description

Field Name	Data Type	Size	Entry	Description
CODE (maintenance)				The user will enter any desired code in this field.
DESC (maintenance)				Enter the description of the (maintenance) code.

Remember to press <ENTER> after each field.

4.3.4.1.7.2 Maintenance Contracts

Maintenance Contracts provides the ability enter and maintain contracts numbers for repair contracts with vendors and suppliers.

4.3.4.1.7.2.1 Maintenance Contracts Screens

This screen provides the ability enter and maintain contracts numbers for repair contracts with vendors and suppliers. The contract number is the key field and this should be the actual number assigned by Purchasing or the Vendor. The operator may /Z, zoom from the contract number to view all EIN items designated as belonging to this contract.

The screenshot shows a terminal window titled "mntcont Maintenance Contracts". The main display area contains the following fields and values:

- CONTRACT ID: TEST1
- VENDOR: SUN
- START DATE: 01/01/97
- END DATE: 12/31/97
- PO NUMBER: CCM0001010
- PIN: 8168

At the bottom of the screen, there is a navigation bar with the following options: Next, Prior, View, Find, Go, Select, /Sort, /Note, Help, More, Quit, and /Zoom. A status bar at the top right indicates "Last: 1" and "Current: 1".

Figure 4.3.4-51. Maintenance Contracts CHUI

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.
/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete Delete the displayed record (data on the screen) from the data base.
/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify Modify (store) the displayed record (data on the screen) in the data base.
/Note Add a note to the displayed record (data on the screen).
/Sort Sort on the selected field of the displayed record (data on the screen).
/Zoom Display a list of all the values of the selected field in the data base.
View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-50. Maintenance Contracts Field Description

Field Name	Data Type	Size	Entry	Description
CONTRACT ID				The user will enter the actual ID as assigned by Purchasing or provided by the vendor.
VENDOR				Enter the vendor code for the contract. The operator may /Z, Zoom to the vendor data base
START DATE				Enter the date the contract is to become effective.
END DATE				Enter the date the contract will expire.
PO NUMBER				Enter the Purchase Order number entered for this contract.
PIN				Enter the PIN number applicable for authorization for vendor contact.

Remember to press <ENTER> after each field.

4.3.4.1.7.3 Authorized Employees

Authorized Employees provides the ability enter and maintain employee codes for employees who have been permitted access to the vendor for repair notification.

4.3.4.1.7.3.1 Authorized Employees Screens

This screen provides the ability enter and maintain employee codes for employees who have been permitted access to the vendor for repair notification.

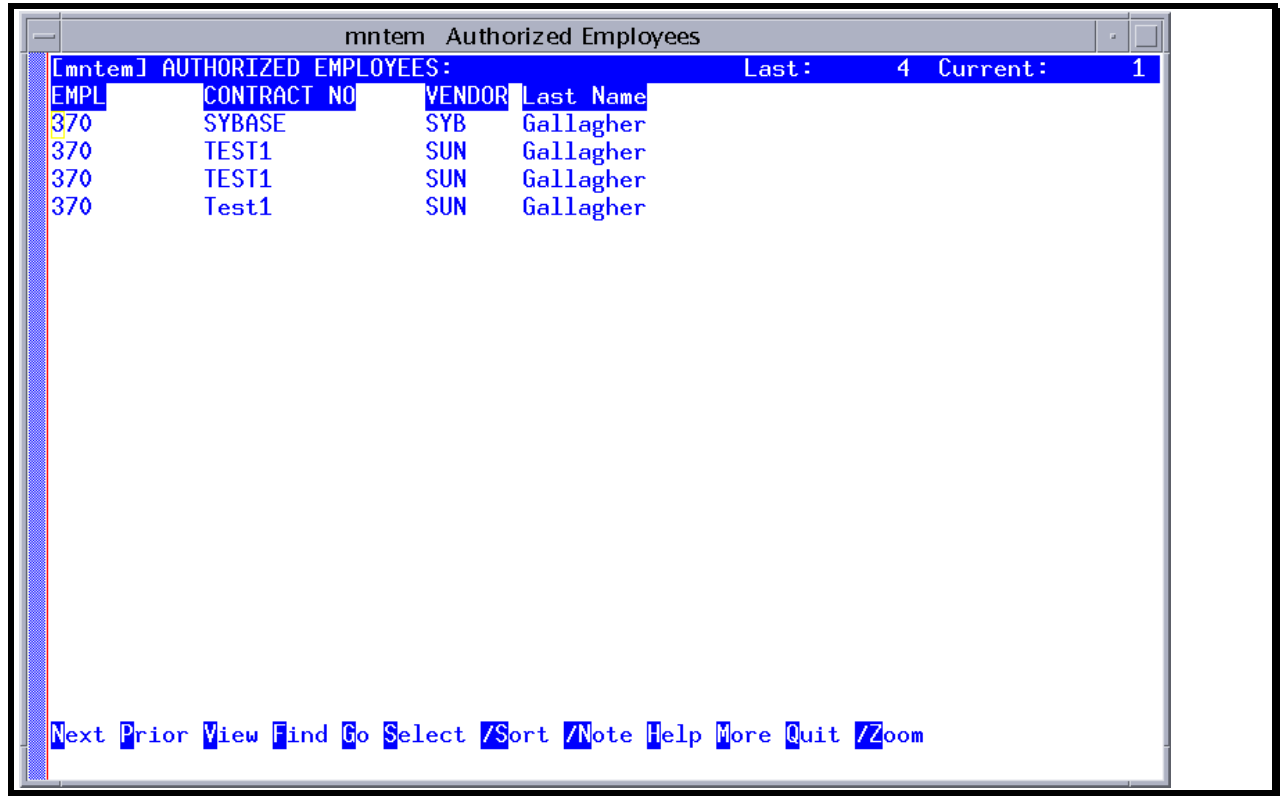


Figure 4.3.4-52. Authorized Employees CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-51 Authorized Employees Field Description

Field Name	Data Type	Size	Entry	Description
EMPL				Enter the employee code.
CONTRACT NO				Enter the maintenance contract number.
VENDOR				Enter the maintenance vendor ID.
Last Name				This field reflects the employee last name from the employee master file.

Remember to press <ENTER> after each field.

4.3.4.1.7.4 Work Order Entry

Work Order Entry provides the ability enter Work Orders for repairs.

4.3.4.1.7.4.1 Work Order Entry Screens

This screen provides the ability enter Work Orders for repairs. The operator will complete the required fields and upon exit of the screen, the system copies in all of the EIN children to the line item file. This screen is always presented in ADD mode.

wordent Work Order Entry

[wordent] WORK ORDER ENTRY:

WORK ORDER: RETURN for next

PARENT EIN:

Serial Number:

Name:

OEM Part:

OEM Desc:

Mod/Ver:

Building:

TROUBLE TICKET #:

NOTIFICATION DATE:

PRIORITY:

FAILURE DATE:

MFG/DEV:

MAINT VENDOR:

VENDOR CALL DATE:

VENDOR CONTACT NAME:

VENDOR REFERENCE:

location:

Room:

NOTIFICATION TIME:

SUBMITTER:

FAILURE TIME:

VENDOR:

TIME:

CODE:

NOTE:

TEXT:

ADD: F1-help F2-clear F3-exit F4-mode F6-default
Typeover mode

Figure 4.3.4-53. Work Order Entry CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

View Toggles between “form” or record display and “table” or list display.

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

Table 4.3.4-52. Work Order Entry Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
WORK ORDER				This is the actual Work Order number. The operator should always press RETURN to obtain the next number sequentially assigned by the system.
PARENT EIN				Enter the EIN of the parent - e.g. the host. The operator may /Z, zoom to the EIN file.
Serial Number through Room				These fields are all reflected from the EIN file for the Parent as entered.
TROUBLE TICKET #				Enter the trouble ticket number, if applicable.
NOTIFICATION DATE				This field is initialized with the current date and can be modified.
NOTIFICATION TIME				This field is initialized with the current time and can be modified.
PRIORITY				This is a user controlled field and any value may be entered.
SUBMITTER				Enter the employee code for the person who submitted the problem and caused the work order to be opened. The operator may /Z, zoom to the employee file.
FAILURE DATE				Enter actual failure date.
FAILURE TIME				Enter actual failure time.
MFR/DEV				This field is used to enter the Manufacturer or Developer ID. The user may zoom to the appropriate data file and pick the desired code. NOTE: This data must be previously entered with screen Vendor Master Maintenance (vmasts).
VENDOR				This field is used to enter the Vendor code whom the item was purchased from. The user may zoom to the Vendor data file and pick the desired code. NOTE: This data must be previously enter using screen Vendor Master Maintenance (vmasts).
MAINT VENDOR				This field is used to enter the code for the vendor who is the maintenance vendor. The user may zoom to the Vendor data file and choose the appropriate code. NOTE: This information must be previously enter using screen Vendor Master Maintenance (vmasts).
VENDOR CALL DATE				Date the vendor was called and informed of the problem.

Table 4.3.4-52. Work Order Entry Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
VENDOR CALL TIME				Time the vendor was called and informed of the problem.
VENDOR CONTACT NAME				Enter the name of the person designated as the point of contact at the vendor facility. Same as VENDOR POC
VENDOR REFERENCE				Vendor's trouble ticket or other tracking number.
CODE				The user will enter any desired code in this field.
NOTE				This field is used to enter a 60 character note attached to this item.
TEXT				Press /Z at this prompt to obtain a free form text window. The operator should enter the failure details in this window. When complete, press F3 to exit the text window.

Remember to press <ENTER> after each field.

4.3.4.1.7.4.2 Item Page for Work Order Entry

The Work Order Entry **Item** option provides a list of the components if the Parent EIN specified in the Work Order.

4.3.4.1.7.4.2.1 Item Page for Work Order Entry Screens

The Work Order Entry **Item** option will display the following screen.

wordent Work Order Entry

[wordent] WORK ORDER ENTRY: Last: 1 Current: 1

Work Order: EDF0000069 Parent Ein:

Serial Number: Name:

Oem Part:

Oem Desc:

Mod/ver: Location:

COMPONENT EIN: _____

OEM Part:

OEM Desc:

Mod/Ver:

SERIAL NUMBER:

FAILURE CODE: MAINT CODE:

MAINT CONTRACT: PO NUMBER:

RECEIVE DATE: MANUFACTURED DATE:

VENDOR: WARRANTY DATE:

REPLACE (R) or NEW (N):

REPLACE OR ADD DATE:

RECORD EVENTS:

ADD: F1-help F2-clear F3-exit F4-mode F6-default /Zoom

Typeover mode

Figure 4.3.4-54. Item Page for Work Order Entry CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

View Toggles between “form” or record display and “table” or list display.

/Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

Table 4.3.4-53. Item Page for Work Order Entry Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
WORK ORDER				This is the actual Work Order number. The operator should always press RETURN to obtain the next number sequentially assigned by the system.
PARENT EIN				Enter the EIN of the parent - e.g. the host. The operator may /Z, zoom to the EIN file.
Serial Number through Location				These fields are all reflected from the EIN file for the Parent as entered.
COMPONENT EIN				This field is the component EIN number of the Parent EIN.
OEM PART				is the manufacturer's part number of the item(s) you are ordering. The next field, DESCRIPTION, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection
OEM DESC (WO)				This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.
MOD/VER				This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file.
SERIAL NUMBER				Serial Number of the component.
FAILURE CODE				<i>TBS</i>
MAINT CODE				The user will enter any desired code in this field.
MAINT CONTRACT				This field is used to enter the Maintenance Contract number for maintenance on this particular item. The user may zoom to the Contract data file and choose the desired contract number. NOTE: This data must be previously enter with screen Maintenance Contracts (mntcont).

Table 4.3.4-53. Item Page for Work Order Entry Field Description (2 of 2)

Field Name	Data Type	Size	Entry	Description
PO NUMBER				The user will enter the Purchase Order Number in this field for item selection when adding children items. The user will use the PO Number or the Vendor Code in the next field. For Receipts the field is filled in by the Receiving system and designates the Purchase Order the item was received against.
RECEIVED DATE				The date the item was received.
MANUFACTURED DATE				The date the item was manufactured
VENDOR				This field is used to enter the Vendor code whom the item was purchased from. The user may zoom to the Vendor data file and pick the desired code. NOTE: This data must be previously entered using screen Vendor Master Maintenance (vmasts).
WARRANTY DATE (WO)				<i>This field is the end date for the warranty period.</i>
REPLACE (R) or NEW (N)				Enter an 'R' in this field for the Child EIN that had been replaced in the machine. When entering a new item, be sure to place an 'N' in this field to designate the record as being new.
REPLACE OR ADD DATE				<i>TBS.</i>
RECORD EVENTS				<i>TBS.</i>

4.3.4.1.7.5 Work Order Modification

Work Order Modification provides the ability to modify Work Orders for repairs.

4.3.4.1.7.5.1 Work Order Modification Screens

This screen provides the ability to modify Work Orders for repairs. This screen should be used when the repair has been completed and all appropriate information about the repair is known. The operator will enter or modify information in the fields as appropriate then invoke the items page to view the EIN children for the parent. In this screen, the operator will designate which item had been replaced by placing an 'R' in the appropriate field and entering the new item by using the ADD capability of the screen. When complete and upon exit of the items screen, the system performs the necessary transactions. The operator also has the ability with this screen to enter delay

times and chargeable times. Press the 'R' key to move to the next screen to the right to maintain delay times and then again to maintain chargeable times.

Figure 4.3.4-55. Work Order Modification Screen

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the "tagged" displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.

Copy-bill TBS

Items This command invokes the items page of the structure manager to allow the user to add or modify children EIN items.

View Toggles between "form" or record display and "table" or list display.

RIGHT for Down Times ->

<-<- to LEFT to return to main page

Table 4.3.4-54. Work Order Modification Field Description (1 of 2)

Field Name	Data Type	Size	Entry	Description
WORK ORDER				This is the actual Work Order number and can not be modified in this screen.
STATUS				Do not modify this field unless the order is to be canceled, (X) or closed (C).
PARENT EIN				The Parent EIN number for the order can not be modified in this screen.
Serial Number through Control Item ID				These fields are all reflected from the EIN file for the Parent as entered.
TROUBLE TICKET #				Enter the trouble ticket number, if applicable.
NOTIFICATION DATE and TIME				These fields are initialized with the current date and time and can be modified.
ALDT REASON CODE				Enter the reason code for the ALDT.
PRIORITY				This is a user controlled field and any value may be entered.
FAILURE DATE and TIME				Enter actual failure date and time.
ALDT				Enter the actual ALDT time in hours.
VENDOR CALL DATE and TIME				Enter the date and time the vendor was called and informed of the problem.
VENDOR ARRIVE DATE and TIME				Enter the date and time the vendor actually arrived to perform the repairs.
VENDOR COMPLETE DATE and TIME				Enter the actual date and time the vendor complete the repairs.
MFR/DEV				This field is used to enter the Manufacturer or Developer ID. The user may zoom to the appropriate data file and pick the desired code. NOTE: This data must be previously entered with screen Vendor Master Maintenance (vmasts).
MAINT VENDOR				This field is used to enter the code for the vendor who is the maintenance vendor. The user may zoom to the Vendor data file and choose the appropriate code. NOTE: This information must be previously enter using screen Vendor Master Maintenance (vmasts).
VENDOR CONTACT NAME				Enter the name of the person designated as the point of contact at the vendor facility. Same as VENDOR POC

Table 4.3.4-54. Work Order Modification Field Description (2 of 2)

Field Name	Data Type	Size	Entry	Description
VENDOR REFERENCE				Vendor's trouble ticket or other tracking number.
Events				<i>TBS</i>
CODE				The user will enter any desired code in this field.
NOTE				This field is used to enter a 60 character note attached to this item.

Remember to press <ENTER> after each field.

4.3.4.1.7.5.2 Delay Times Page for Work Order Modification

Delay Times Page provides the ability to maintain delay date and times to be used for downtime calculations.

4.3.4.1.7.5.2.1 Delay Times Page for Work Order Modification Screens

This screen provides the ability to maintain delay date and times to be used for downtime calculations.

[wordmod] WORK ORDER MODIFICATION:		Last:_____ Current:_____	
<-<- LEFT to return to main page _ RIGHT for Charge Times ->->			
START DATE: __/__/__		END DATE: __/__/__	
START TIME: __:__		END TIME: __:__	
REASON:_____			
START DATE: __/__/__		END DATE: __/__/__	
START TIME: __:__		END TIME: __:__	
REASON:_____			
START DATE: __/__/__		END DATE: __/__/__	
START TIME: __:__		END TIME: __:__	
REASON:_____			
START DATE: __/__/__		END DATE: __/__/__	
START TIME: __:__		END TIME: __:__	
REASON:_____			

Figure 4.3.4-56. Delay Times Page for Work Order Modification CHUI

Unique Bottom Line Commands:

Table 4.3.4-55 Delay Times Page for Work Order Modification Field Description

Field Name	Data Type	Size	Entry	Description
START DATE and END DATE				These fields are used to enter the beginning and ending dates for known delay times in the repair of a system.
START TIME and END TIME				These fields are used to enter the beginning and ending times associated with the dates above for known delay times in the repair of a system.
REASON				Enter the appropriate reason code for the delay entered.

Remember to press <ENTER> after each field.

4.3.4.1.7.5.3 Chargeable Hours Page for Work Order Modification

Chargeable Hours Page provides the ability to maintain chargeable hours to be used in calculations for downtime.

4.3.4.1.7.5.3.1 Chargeable Hours Page for Work Order Modification Screens

This screen provides the ability to maintain chargeable hours to be used in calculations for downtime.

[wordmod] WORK ORDER MODIFICATION:
Last:_____

Current:_____

ALDT: _____._

TIME TO REPAIR: _____._

SWITCH OVER TIME: _____._

TOTAL CHARGEABLE DWONTIME: _____._

<-<- To LEFT to return to main page

Figure 4.3.4.1-57. Chargeable Hours Page for Work Order Modification CHUI

Unique Bottom Line Commands:

Table 4.3.4-56. Chargeable Hours Page for Work Order Modification
Field Description

Field Name	Data Type	Size	Entry	Description
ALDT				This field is used to enter the known ALDT time in hours.
TIME TO REPAIR				This field is used to enter the known time the repair required in hours.
SWITCH OVER TIME				Enter the total hours required for switch over.
TOTAL CHARGEABLE DOWNTIME				Enter the total hours to be charged for downtime.

Remember to press <ENTER> after each field.

4.3.4.1.7.5.4 Items Page for Work Order Modification

Items Page provides the ability to designate which items have been replaced and to enter new items.

4.3.4.1.7.5.4.1 Page for Work Order Modification Screens

This screen provides the ability to designate which items have been replaced and to enter new items. This screen should be used when the repair has been completed and all appropriate information about the repair is known. In this screen, the operator will designate which item had been replaced by placing an 'R' in the appropriate field for the correct item and enter the new item by using the ADD capability of the screen. When complete and upon exit of the screen, the system performs the necessary transactions.

Last: ____ Current: ____	
COMPONENT EIN: _____	
OEM Part: _____	
OEM Desc: _____	
Mod/Ver: _____	
SERIAL NUMBER: _____	
FAILURE CODE: _____	MAINT CODE: ____
MAINT CONTRACT: _____ PO NUMBER: _____	
RECEIVE DATE: __/__/__ MANUFACTURED DATE: ____	
VENDOR: _____	WARRANTY DATE: __/__/__
PLACE (R) or NEW (N): _	
REPLACE OR ADD DATE: __/__/__	
RECORD EVENTS: _	

Next Prior View Find Go Select /Sort /Note Copy-bill Help More Quit

Figure 4.3.4-58. Items Page for Work Order Modification - CHUI

Unique Bottom Line Commands:

Table 4.3.4-57. Items Page for Work Order Modification Field Description

Field Name	Data Type	Size	Entry	Description
COMPONENT EIN				This field is the component EIN number of the Parent EIN.
EOM Part through WARRANTY DATE				These fields are all copied from the child EIN record and may be modified in this screen as required.
REPLACE (R) or NEW (N)				Enter an 'R' in this field for the Child EIN that had been replaced in the machine. When entering a new item, be sure to place an 'N' in this field to designate the record as being new.
TEXT				Press /Z. zoom at this prompt to obtain a text window to enter an explanation of the repair for each item of concern.

Remember to press <ENTER> after each field.

4.3.4.1.7.6 Preventative Maintenance Items

Preventative Maintenance Items provides the ability to designate which items in the EIN file should experience preventative maintenance.

4.3.4.1.7.6.1 Preventative Maintenance Items Screens

This screen provides the ability to designate which items in the EIN file should experience preventative maintenance. The operator may perform the DATALOOK select and sort functions to obtain a list of the items to be modified. The operator will then enter a 'Y' in the set field, the frequency of maintenance, the last date maintenance was performed and the due date for the next maintenance operation.

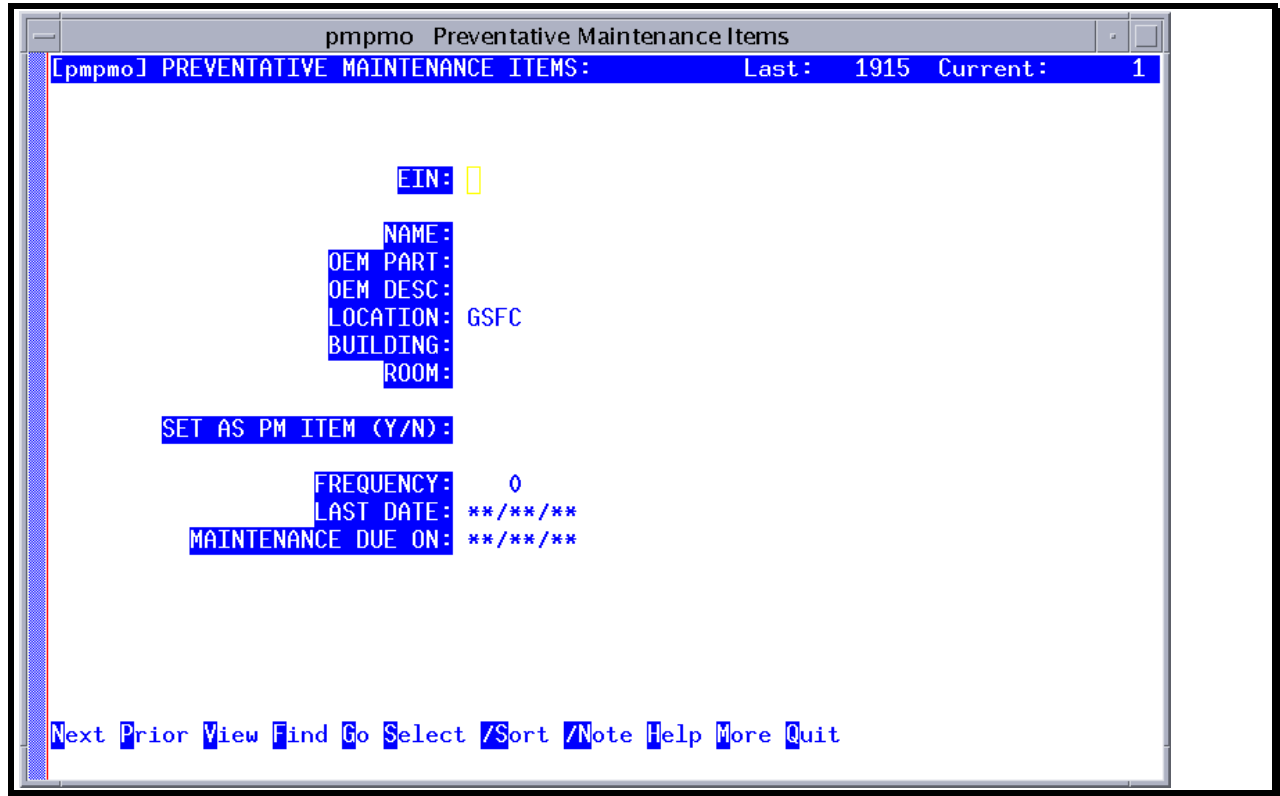


Figure 4.3.4-59. Preventative Maintenance Items CHUI

Unique Bottom Line Commands:

ADD MODE: F1,F2,F3,F4,F6

/Add Add (store) the displayed record (data on the screen) to the data base.

/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.

/Delete Delete the displayed record (data on the screen) from the data base.

/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base

/Modify Modify (store) the displayed record (data on the screen) in the data base.

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-58. Preventative Maintenance Items Field Description

Field Name	Data Type	Size	Entry	Description
EIN through ROOM				These fields are not modifiable by the operator and represent the actual data from the EIN file.
SET AS PM ITEM (Y/N)				Enter a 'Y' in this field if the item should experience a preventative maintenance operation.
FREQUENCY				Enter number of days between PM's.
LAST DATE				Enter the last date a PM as performed for this item.
MAINTENANCE DUE ON				Enter the date the next maintenance is due.

Remember to press <ENTER> after each field.

4.3.4.1.7.7 Generate Maintenance Orders

Generate Maintenance Orders provides the ability to generate Work Orders for item needing a PM.

4.3.4.1.7.7.1 Generate Maintenance Orders Screens

This screen provides the ability to generate Work Orders for item needing a PM. When executed, order are created for all items needing a PM prior to the cutoff date entered and prints a summary report of orders created.

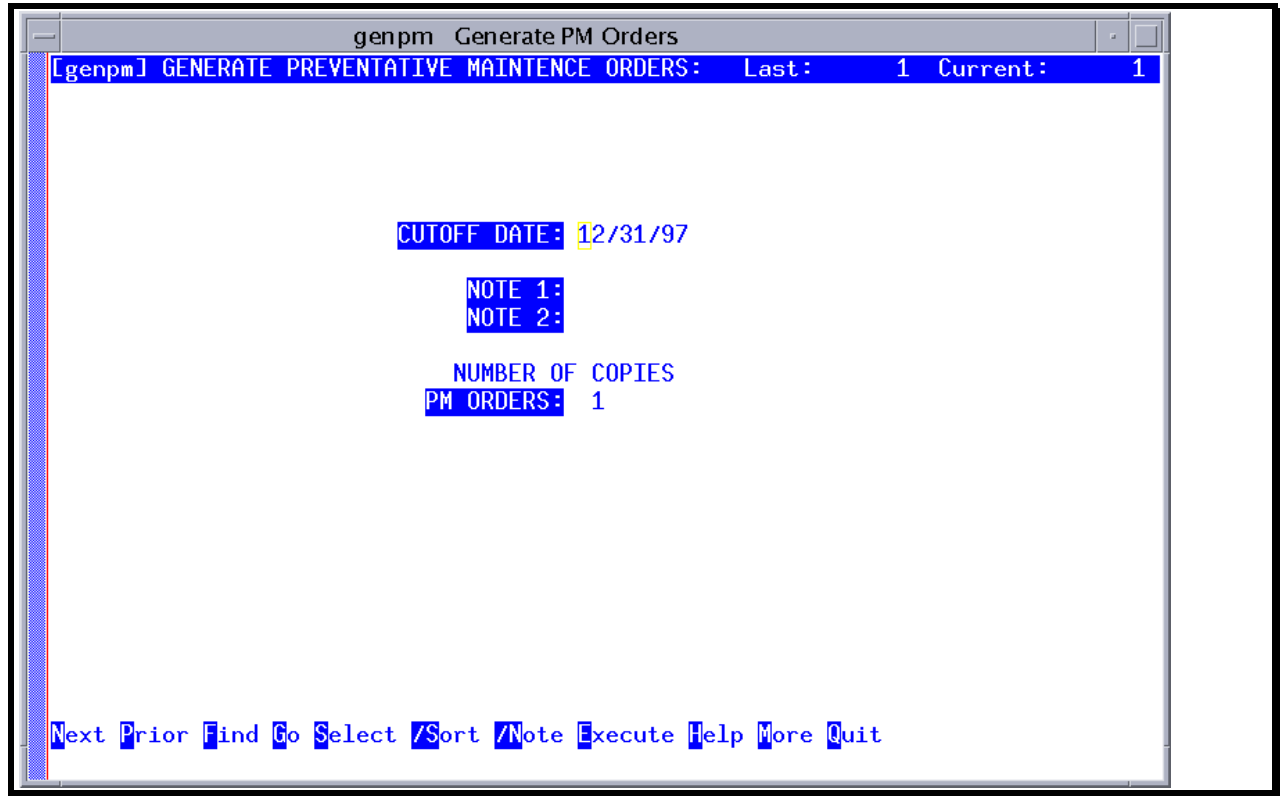


Figure 4.3.4-60. Generate Maintenance Orders CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- Execute This command invokes the appropriate process and prints a report on the results.

Table 4.3.4-59. Generate Maintenance Orders Field Description

Field Name	Data Type	Size	Entry	Description
CUTOFF DATE				Enter the last date for the system to examine PM items and generate orders.
NOTE 1 and NOTE 2				Enter any notes to appear on the header of the report.
NUMBER OF COPIES (PM Orders)				Enter any number of copies of the report to print.

Remember to press <ENTER> after each field.

4.3.4.1.7.8 Work Order Parts Replacement History

Work Order Parts Replacement History generates a series of reports detailing parts replacement.

4.3.4.1.7.8.1 Work Order Parts Replacement History Screens

This screen generates a series of reports detailing parts replacement. The operator will enter the Work Order number or range of numbers and then execute the process to print the history reports.

wohist Work Order Parts Replacement History

[wohist] WORK ORDER PARTS REPLACEMENT HISTORY: Last: 1 Current: 1

WORK ORDER or RANGE:

NOTE 1:
NOTE 2:

NUMBER OF COPIES

WORK ORDER HISTORY REPORT: 1

Next Prior Find Go Select /Sort /Note Write Execute Help More Quit /Zoom

Figure 4.3.4-61. Work Order Parts Replacement History CHUI

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.
/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete Delete the displayed record (data on the screen) from the data base.
/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify Modify (store) the displayed record (data on the screen) in the data base.
/Note Add a note to the displayed record (data on the screen).
/Sort Sort on the selected field of the displayed record (data on the screen).
/Zoom Display a list of all the values of the selected field in the data base.
Execute This command invokes the appropriate process and prints a report on the results.
Write Saves the current record to a file designated by the operator.

Table 4.3.4-60. Work Order Parts Replacement History Field Description

Field Name	Data Type	Size	Entry	Description
WORK ORDER or RANGE				Enter the Work Order number or range of numbers to examine.
NOTE 1 and NOTE 2				Enter any notes to appear at the header for the reports.
NUMBER OF COPIES (Work Order History Report)				Enter any number of copies of the report to print.

Remember to press <ENTER> after each field.

4.3.4.1.7.9 Maintenance Work Order Reports

Maintenance Work Order Reports provides Work Order Reports for work done on selected machines.

4.3.4.1.7.9.1 Maintenance Work Order Reports Screens

This screen provides Work Order Reports for work done on selected machines.

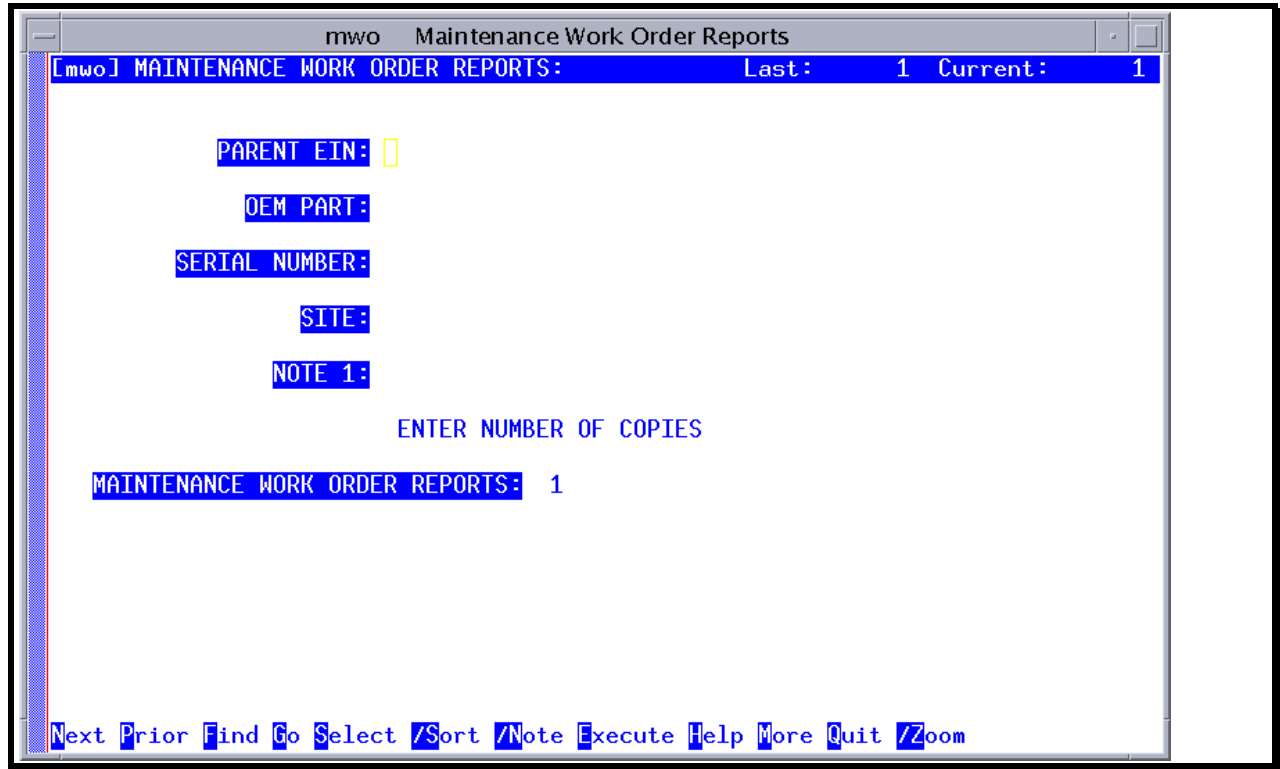


Figure 4.3.4-62. Maintenance Work Order Reports CHUI

Unique Bottom Line Commands:

- /Add** Add (store) the displayed record (data on the screen) to the data base.
- /Copy** Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete** Delete the displayed record (data on the screen) from the data base.
- /Insert** Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify** Modify (store) the displayed record (data on the screen) in the data base.
- /Note** Add a note to the displayed record (data on the screen).
- /Sort** Sort on the selected field of the displayed record (data on the screen).
- /Zoom** Display a list of all the values of the selected field in the data base.
- Execute** This command invokes the appropriate process and prints a report on the results.

Table 4.3.4-61. Maintenance Work Order Reports Field Description

Field Name	Data Type	Size	Entry	Description
PARENT EIN				This field is the Parent EIN for the installation/structure. The user may /Z, Zoom at this field to view the entire EIN data base.
OEM PART				is the manufacturer's part number of the item(s) you are ordering. The next field, DESCRIPTION, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection
SERIAL NUMBER				This field is for the entry of the serial number of the product being entered. If the item does not contain a serial number of it's own, the system will assign an internal number prefixed with the Site abbreviation and contain a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment
SITE (LOCATION)				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
NOTE 1				This field is used to enter a 60 character note attached to this item.
ENTER NUMBER OF COPIES (Maintenance Work Order Reports)				Enter any number of copies of the report to print.

Remember to press <ENTER> after each field.

4.3.4.1.7.10 Work Order Status Reports

Work Order Status Reports provides status reports on selected Work Orders.

4.3.4.1.7.10.1 Work Order Status Reports Screens

This screen provides status reports on selected Work Orders.

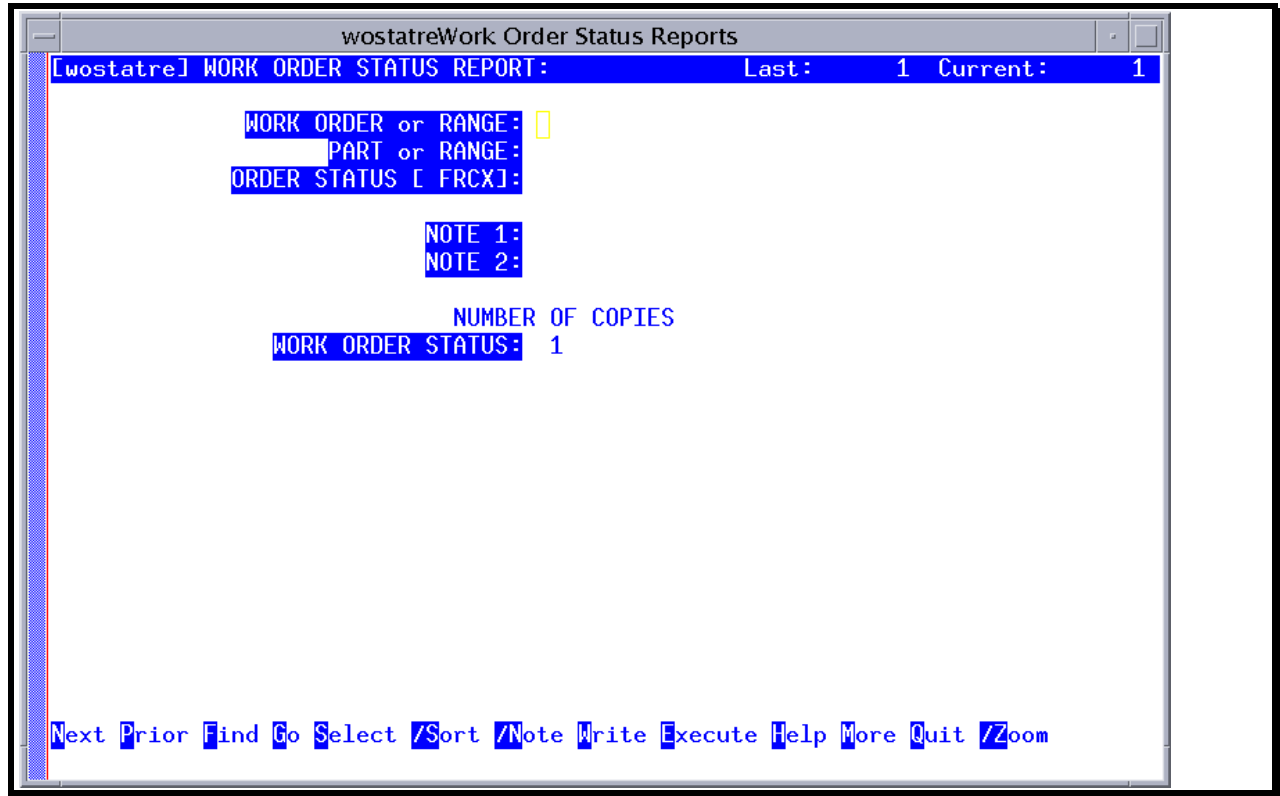


Figure 4.3.4-63. Work Order Status Reports CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.
- Execute This command invokes the appropriate process and prints a report on the results.
- Write Saves the current record to a file designated by the operator.

Table 4.3.4-62. Work Order Status Reports Field Description

Field Name	Data Type	Size	Entry	Description
WORK ORDER or RANGE				Enter the Work Order number or range of numbers to examine.
PART (OEM PART NUMBER) or RANGE				This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
ORDER STATUS [FRCX] (STATUS)				Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
NOTE 1				This field is used to enter a 60 character note attached to this item.
NOTE 2				This field is used to enter a 2nd 60 character note attached to this item.
ENTER NUMBER OF COPIES (Work Order Status)				Enter any number of copies of the report to print.

Remember to press <ENTER> after each field.

4.3.4.1.9 ILM Master Menu

The ILM Master Menu provides ILM system administration capabilities. Generally these functions are reserved for the ILM system Administrators.

4.3.4.1.9.1 ILM Master Menu Screens

XRP-II - ILM User

ilmastm

ECS Management System
ILM Master Menu

12/05/97 09:52

- 1. Employee Manager**
2. Assembly Manager
3. System Parameters Manager
4. Inventory Location Manager
5. Buyer Manager
6. Hardware/Software Codes
7. Status Code Manager
8. Report Number
9. Export Inventory Data
10. Transaction Log
11. Transaction Archive
12. OEM Part Numbers
13. Shipment Number Manager
14. Carriers
15. ILM Import Records
16. Sales/Purchase Terms Maintenance

Please enter selection (1 - 16 or name): █

F1-help F3-prior menu F5-select F8-exit

Figure 4.3.4-64. ILM Master Menu CHUI

The ILM Master menu is broken down into the following functions:

Table 4.3.4-63. ILM Master Menu options

Menu item	Function	Section
Employee Manager	Provides for the maintenance of employee information.	4.3.4.1.9.1
Assembly Manager	Creates the parent/child relationship between components in an assembly.	4.3.4.1.9.2
System Parameters Manager		4.3.4.1.9.3
Inventory Location Manager	Provides for the maintenance of location information used in the inventory and logistics processes.	4.3.4.1.9.4
Buyer Manager	Provides for the maintenance of Buyer information used in the inventory and logistics processes.	4.3.4.1.9.5
Hardware/Software Codes	Provides for the maintenance of the codes used to identify maintenance cost source information in the inventory and logistics processes.	4.3.4.1.9.6
Status Code Manager	Provides for the maintenance of the status codes used to track property and events in the inventory and logistics processes.	4.3.4.1.9.7
Report Number	Provides for the maintenance of the Report Number conversion used to assign numbers to reports.	4.3.4.1.9.8
Export Inventory Data	Provides the assignment of destinations for the transfer of a site's inventory data to another location.	4.3.4.1.9.9
Transaction Log	Provides a review of the transactions applied to the .ILM database.	4.3.4.1.9.10
Transaction Archive	Provides the assignment of a destination for archived Transaction Logs with the archiving action	4.3.4.1.9.11
OEM Part Numbers	Provides for the maintenance of OEM Part Numbers information used in the inventory and logistics processes	4.3.4.1.9.12
Shipment Number Manager	Provides for the maintenance of the Shipment Number conversion used to assign numbers to shipments.	4.3.4.1.9.13
Carriers	Provides for the maintenance of Carrier information used in the inventory and logistics processes.	4.3.4.1.9.14
ILM Import Records	Provides for the movement of a file from the drop directory to the application directory, unTar it, and load the data base for all ILM related files.	4.3.4.1.9.15
Sales / Purchase Terms: Maintenance	Provides for the maintenance of the Sales / Purchase Terms information used in the inventory and logistics processes	4.3.4.1.9.16

4.3.4.1.9.1 Employee Manager

Employee Manager provides for the maintenance of employee information.

4.3.4.1.9.1.1 Employee Manager Screens

This screen provides for the maintenance of employee information.

The screenshot shows a terminal window titled "sfempmntEmployee Manager". The main display area contains the following text:

```
[sfempmnt] EMPLOYEE MANAGER: Last: 404 Current: 1
```



```
EMPLOYEE NUMBER: 405
  LAST NAME: Yu
    FIRST NAME: Yungue (Bob)
      STATUS:
        WORK CENTER: :
```



```
          PHONE: (301)883-4174
        FAX NUMBER:
          E-MAIL:
        PAGER NUMBER:
          CC MAIL:
```


At the bottom of the screen, a menu of commands is displayed:

```
Next Prior View Find Go Select /Sort /Note Help More Quit
```

Figure 4.3.4-65. Employee Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-64. Employee Manager Field Description

Field Name	Data Type	Size	Entry	Description
EMPLOYEE NUMBER (EMPL)				Employee identification number "Employee code" generated by the program.
LAST NAME (EMPLOYEE)				Last name of the employee described by the displayed code.
FIRST NAME (EMPLOYEE)				First name of the employee described by the displayed code.
STATUS (EMPLOYEE)				Status of the employee described by the displayed code.
WORK CENTER (EMPLOYEE)				Work Center (normally assigned) of the employee described by the displayed code.
PHONE (EMPLOYEE)				Telephone number of the employee described by the displayed code.
FAX NUMBER (EMPLOYEE)				FAX number of the employee described by the displayed code.
E-MAIL (EMPLOYEE)				E-mail address of the employee described by the displayed code.
PAGER NUMBER (EMPL OYEE)				Pager Number of the employee described by the displayed code.
CC MAIL (EMPLOYEE)				CC:mail address of the employee described by the displayed code.

Remember to press <ENTER> after each field.

4.3.4.1.9.2 Assembly Manager

Assembly Manager creates the parent/child relationship between components in an assembly.

4.3.4.1.9.2.1 Assembly Manager Screens

This screen creates the parent/child relationship between components in an assembly.

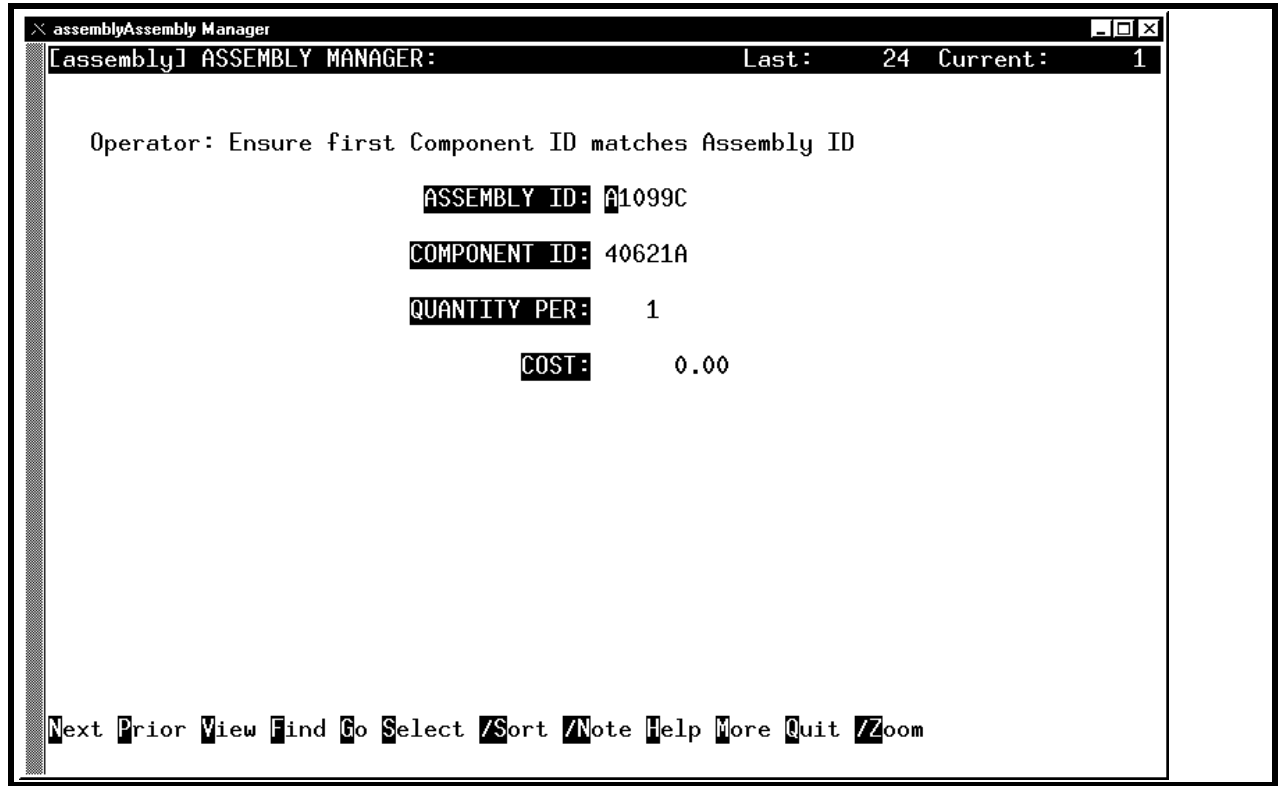


Figure 4.3.4-66. Assembly Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-65 Assembly Manager Field Description

Field Name	Data Type	Size	Entry	Description
ASSEMBLY ID				Identifier for the assembly displayed. All components of the assembly can be referenced through this “parent” id or code.
COMPONENT ID (Assembly)				Identifier for the specific component of the displayed assembly. The first component of an assembly must have the same id/code as the assembly id.
QUANTITY PER (Assembly)				The total number of the displayed components in the assembly.
COST				This field is the purchase cost of the item.

Remember to press <ENTER> after each field.

4.3.4.1.9.3 System Parameters Manager

System Parameters Manager provides maintenance for some of the basic/default values used in ILM processes.

4.3.4.1.9.3.1 System Parameters Manager Screens

This screen provides maintenance for some of the basic/default values used in ILM processes. This screen allows each site to customize theses parameters.

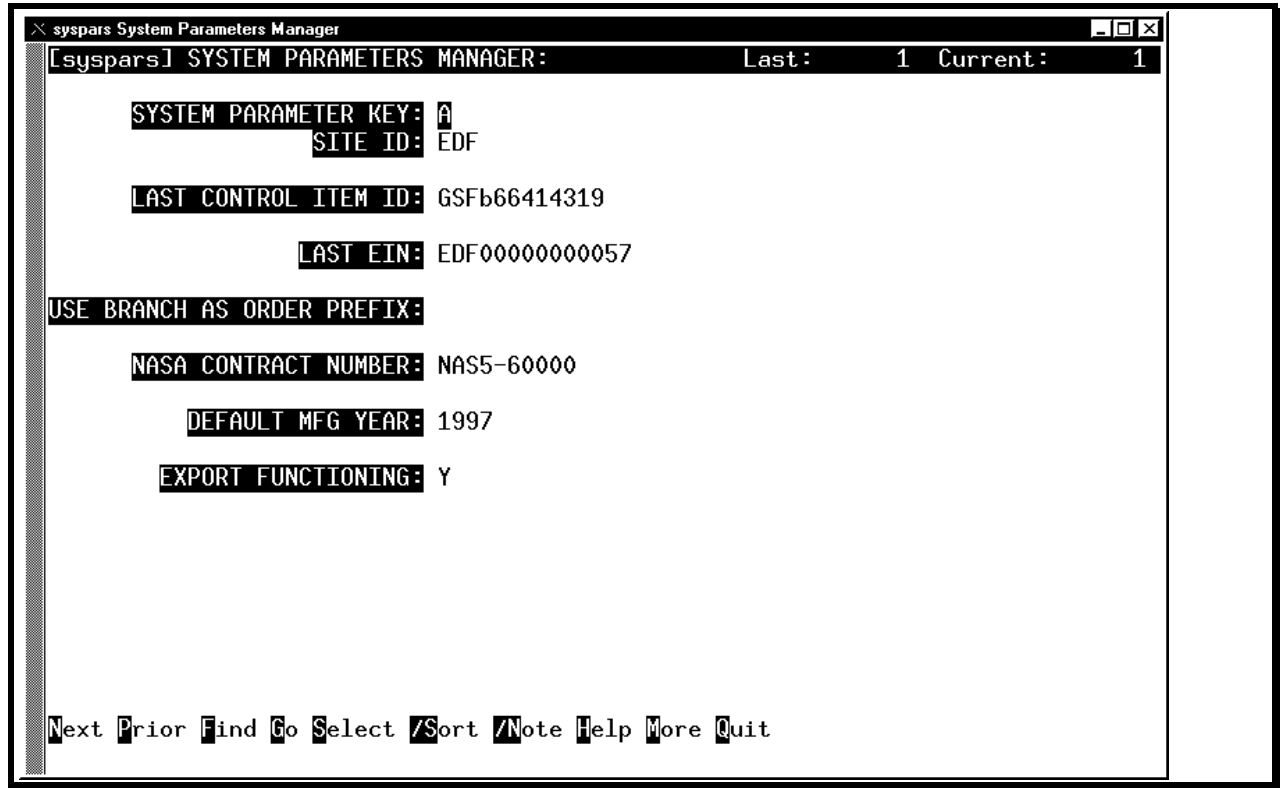


Figure 4.3.4-67. System Parameters Manager CHUI

Unique Bottom Line Commands:

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

Table 4.3.4-64 System Parameters Manager Field Description

Field Name	Data Type	Size	Entry	Description
SYSTEM PARAMETER KEY				The Key filed of the System Parameter file. The active record has the value "A".
SITE ID (LOCATION)				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
LAST CONTROL ITEM ID				Control Item ID to display as the last ID assigned. A new generation of Control Item IDs will be generated starting with this one.
LAST EIN				EIN to display as the last EIN assigned. A new generation of EINs will be generated starting with this one.
USE BRANCH AS ORDER PREFIX				<i>This option will generate Purchase and Work Orders with the Work Center code for the employee creating the Order as a prefix.</i>
NASA CONTRACT NUMBER				Default NASA Contract Number
DEFAULT MFG YEAR				DEFAULT MFG YEAR
EXPORT FUNCTIONING				<i>Allows use of the Export Inventory Data function.</i>

Remember to press <ENTER> after each field.

4.3.4.1.9.4 Inventory Location Manager

Inventory Location Manager provides for the maintenance of location information used in the inventory and logistics processes.

4.3.4.1.9.4.1 Inventory Location Manager Screens

This screen provides for the maintenance of location information used in the inventory and logistics processes.

imlocns Inventory Location Manager

[imlocns] LOCATION MASTER MANAGER: Last: 13 Current: 1

MATERIAL LOCATION ID: ARC
 DESCRIPTION: Archive Location
 LOCATION TYPE: A [Null or S=stock R=received
 N=non-nettable W=work center A=archive]
 SITE: EDF

SHIPPING REPORT NUMBER: 0
 SHIPPING REPORT ALPHA:

CONSIGNEE NAME: EDF SITE PROPERTY MANAGER
 ADDRESS 1: 1616 A MCCORMICK DRIVE
 ADDRESS 2:
 CITY: Upper Marlboro
 STATE: MD
 ZIP: 20785
 PHONE: (301)925-0702

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-68. Inventory Location Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-65. Inventory Location Manager Field Description

Field Name	Data Type	Size	Entry	Description
MATERIAL LOCATION ID				ID for the location where material can be found.
DESCRIPTION (Material Location)				Text description of the utility of the site.
LOCATION TYPE (Material Location)				Specifies the material application at the site: Null or S = stock, R = received, N = non-nettable, W = work center, A = archive.
SITE (LOCATION)				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
SHIPPING REPORT NUMBER				This field is the report number assigned to this item when the item was shipped.
SHIPPING REPORT ALPHA				Shipping report code associating an alpha code to a numeric site code. See Shipment Numbers by Site screen (shipno).
CONSIGNEE NAME				Name of individual/office responsible for material at the site.
ADDRESS 1 (Consignee)				First part of address.
ADDRESS 2 (Consignee)				Second part of address.
CITY				City part of address
STATE				State 2 character abbreviation of address.
ZIP				Zip code of address.
PHONE				Telephone number of address

Remember to press <ENTER> after each field.

4.3.4.1.9.5.1 Buyer Manager

Buyer Manager provides for the maintenance of Buyer information used in the inventory and logistics processes.

4.3.4.1.9.5.1 Buyer Manager Screens

This screen provides for the maintenance of Buyer information used in the inventory and logistics processes.

The screenshot shows a terminal window titled "vmbuymntBuyer Manager". The main title bar is "[vmbuymnt] BUYER MAINTENANCE:" with "Last: 19" and "Current: 1" on the right. The main display area shows the following information:

- BUYER ID: 01
- NAME: Linda Chewning
- SITE ID: EDF
- Site Name: ECS Development Facility
- PHONE NUMBER: (301)925-0710

At the bottom of the screen is a command line with the following options: Next Prior View Find Go Select /Sort /Note Help More Quit.

Figure 4.3.4-69. Buyer Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-66. Buyer Manager Field Description

Field Name	Data Type	Size	Entry	Description
BUYER ID				Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
Name (Buyer ID)				This field is the user's name as shown in the Buyer file.
SITE ID (LOCATION)				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
Site Name				Name of the Site whose code is displayed.
PHONE (Buyer)				Telephone number of the Buyer described by the displayed code.

Remember to press <ENTER> after each field.

4.3.4.1.9.6 Hardware/Software Codes

Hardware/Software Codes provides for the maintenance of the codes used to identify maintenance cost source information in the inventory and logistics processes.

4.3.4.1.9.6.1 Hardware/Software Codes Screens

This screen provides for the maintenance of the codes used to identify maintenance cost source information in the inventory and logistics processes.

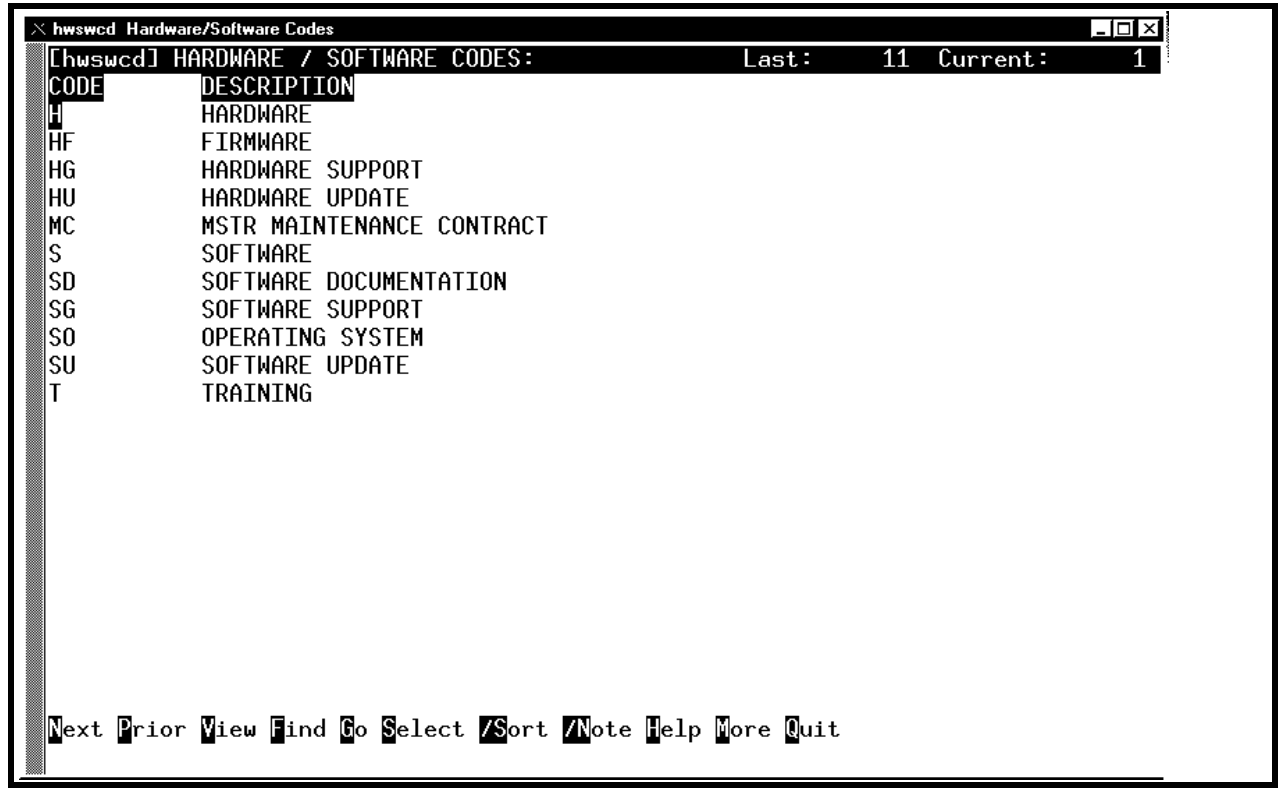


Figure 4.3.4-70 Hardware/Software Codes CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-67. Hardware/Software Codes Field Description

Field Name	Data Type	Size	Entry	Description
CODE (Hardware/Software)				The user will enter any desired (Hardware/Software) code in this field.
DESCRIPTION (Hardware/Software)				Enter the description of the ((Hardware/Software) code.

Remember to press <ENTER> after each field.

4.3.4.1.9.7 Status Code Manager

Status Code Manager provides for the maintenance of the status codes used to track property and events in the inventory and logistics processes.

4.3.4.1.9.7.1 Status Code Manager Screen

This screen provides for the maintenance of the status codes used to track property and events in the inventory and logistics processes.

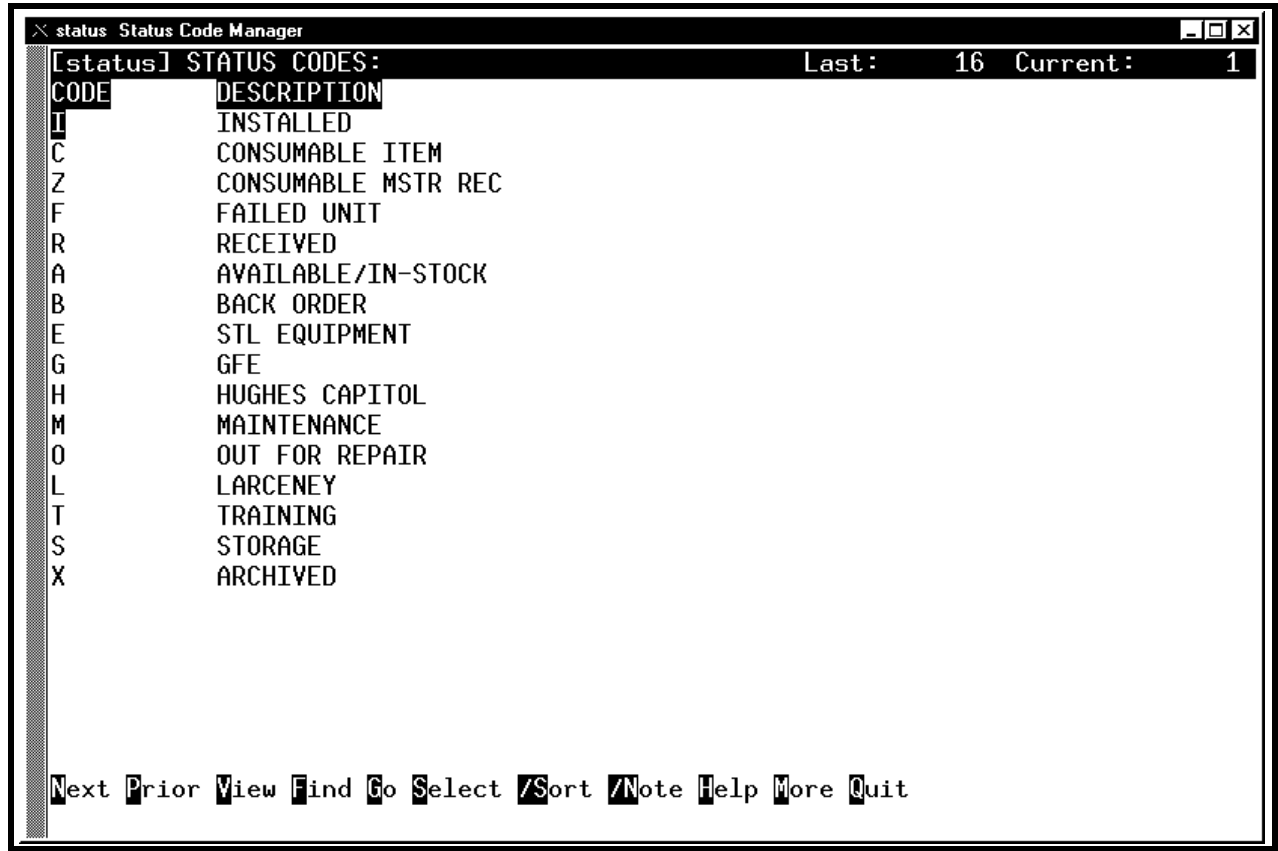


Figure 4.3.4-71. Status Code Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-68. Status Code Manager Field Description

Field Name	Data Type	Size	Entry	Description
CODE (Status codes)				The user will enter any desired (Status codes)code in this field.
DESCRIPTI ON (Status codes)				Enter the description of the (Status codes)code.

Remember to press <ENTER> after each field.

4.3.4.1.9.8 Report Number

Report Number provides for the maintenance of the Report Number conversion used to assign numbers to reports.

4.3.4.1.9.8.1 Report Number Screens

This screen provides for the maintenance of the Report Number conversion used to assign numbers to reports.

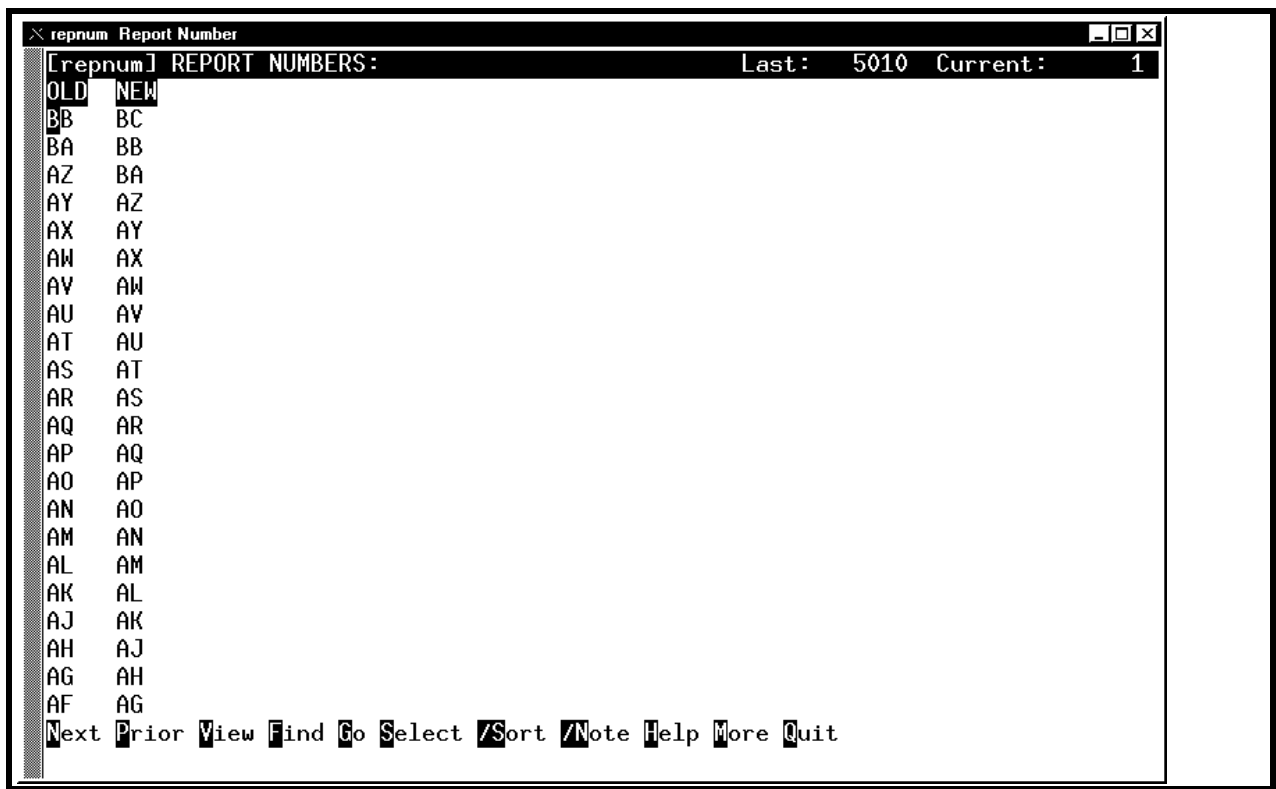


Figure 4.3.4-72. Report Number CHUI

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.
/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete Delete the displayed record (data on the screen) from the data base.
/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify Modify (store) the displayed record (data on the screen) in the data base.
/Note Add a note to the displayed record (data on the screen).
/Sort Sort on the selected field of the displayed record (data on the screen).
View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-69. Report Number Field Description

Field Name	Data Type	Size	Entry	Description
OLD (Report numbers)				The user will enter OLD Report numbers.
NEW (Report numbers)				Enter the corresponding NEW Report numbers.

Remember to press <ENTER> after each field.

4.3.4.1.9.9 Export Inventory Data

Export Inventory Data provides the assignment of destinations for the transfer of a site’s inventory data to another location.

4.3.4.1.9.9.1 Export Inventory Data Screens

This screen provides the assignment of destinations for the transfer of a site’s inventory data to another location.

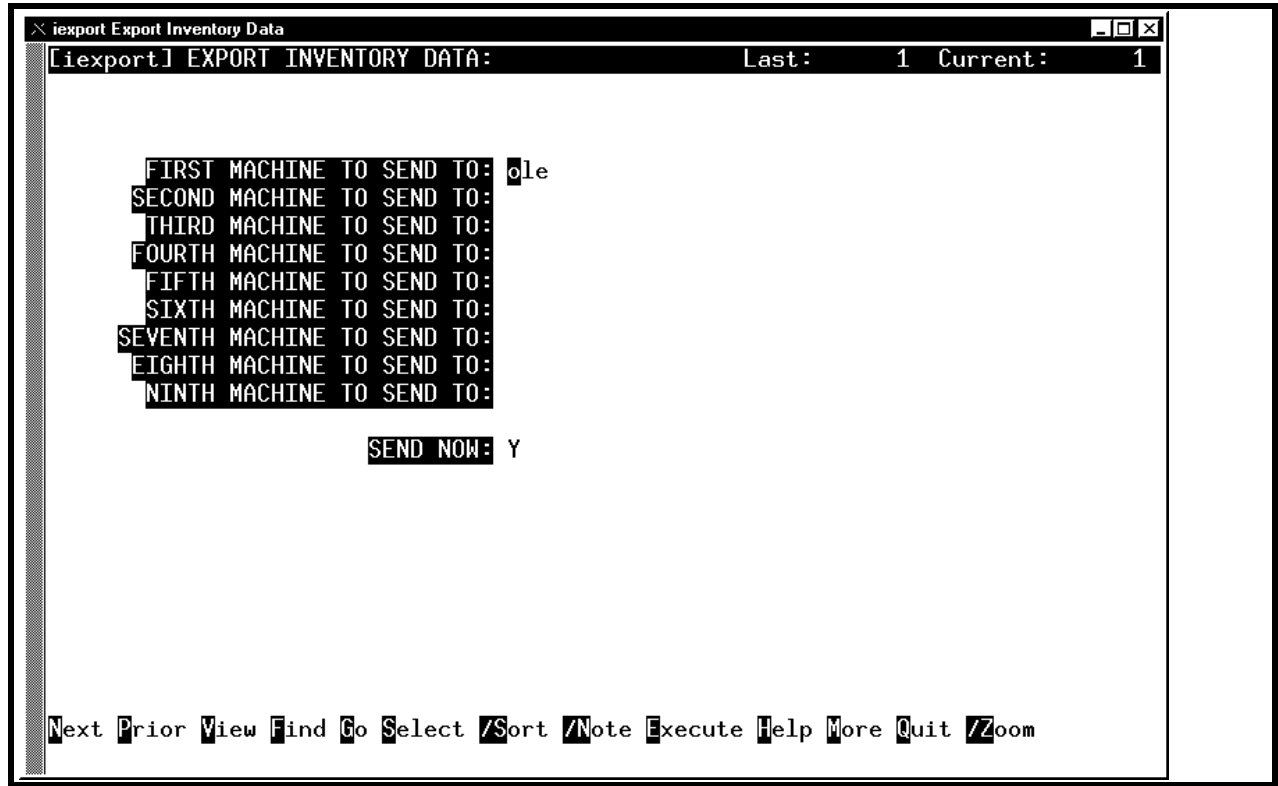


Figure 4.3.4-73. Export Inventory Data CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.
- View Toggles between “form” or record display and “table” or list display.
- Execute This command invokes the appropriate process and prints a report on the results.

Table 4.3.4-70. Export Inventory Data Field Description

Field Name	Data Type	Size	Entry	Description
Nth MACHINE TO SEND TO				Enter Site Code of machine to receive Inventory Data.
SEND NOW				Y or N option.

Remember to press <ENTER> after each field.

4.3.4.1.9.10 Transaction Log

Transaction Log provides a review of the transactions applied to the .ILM database.

4.3.4.1.9.10.1 Transaction Log Screens

This screen is provides a review of the transactions applied to the .ILM database. This function may be used by ILMADM and XRPADM users only.

The screenshot shows a window titled "tlmaint Transaction Log". Inside, the text "[tlmaint] TRANSACTION LOG:" is followed by "Last: 29754" and "Current: 1". The main area displays the following transaction details:

- TRANSACTION KEY: 417977791
- FIELD NUMBER: 679
- TABLE NAME: pm
- OPERATOR ID: xrpadm
- DATE: 11/21/97
- TIME: 09:40
- TRANSACTION TYPE: M A - add, M - modify, D - delete
- TRANSFERED: 30858
- RECORD LOCATION: 30858
- ILM: Y

At the bottom, a menu bar contains the following options: Next, Prior, View, Find, Go, Select, /Sort, /Note, Help, More, and Quit.

Figure 4.3.4-74. Transaction Log CHUI

Unique Bottom Line Commands:

/Note Add a note to the displayed record (data on the screen).

/Sort Sort on the selected field of the displayed record (data on the screen).

View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-71. Transaction Log Field Description

Field Name	Data Type	Size	Entry	Description
TRANSACTION KEY				The transaction log key field. This key is assigned by the program.
FIELD NUMBER				The field number of the transaction field to query..
TABLE NAME				The table name of the database table containing the field to query.
OPERATOR ID				UserID of the operator performing this value is supplied by the program.
DATE				Date for the query; e.g. transaction date.
Time				Time for the query; e.g. transaction time
TRANSACTION TYPE				Code for the TYPE of transaction to query: A = Add, M = Modify, D = Delete.
TRANSFERRED RECORD LOCATION				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
ILM				Y or N option.

Remember to press <ENTER> after each field.

4.3.4.1.9.11 Transaction Archive

Transaction Archive provides the assignment of a destination for archived Transaction Logs with the archiving action

4.3.4.1.9.11.1 Transaction Archive

This screen provides the assignment of a destination for archived Transaction Logs with the archiving action. This function must be performed regularly to prevent the Transaction Log file from wrapping.

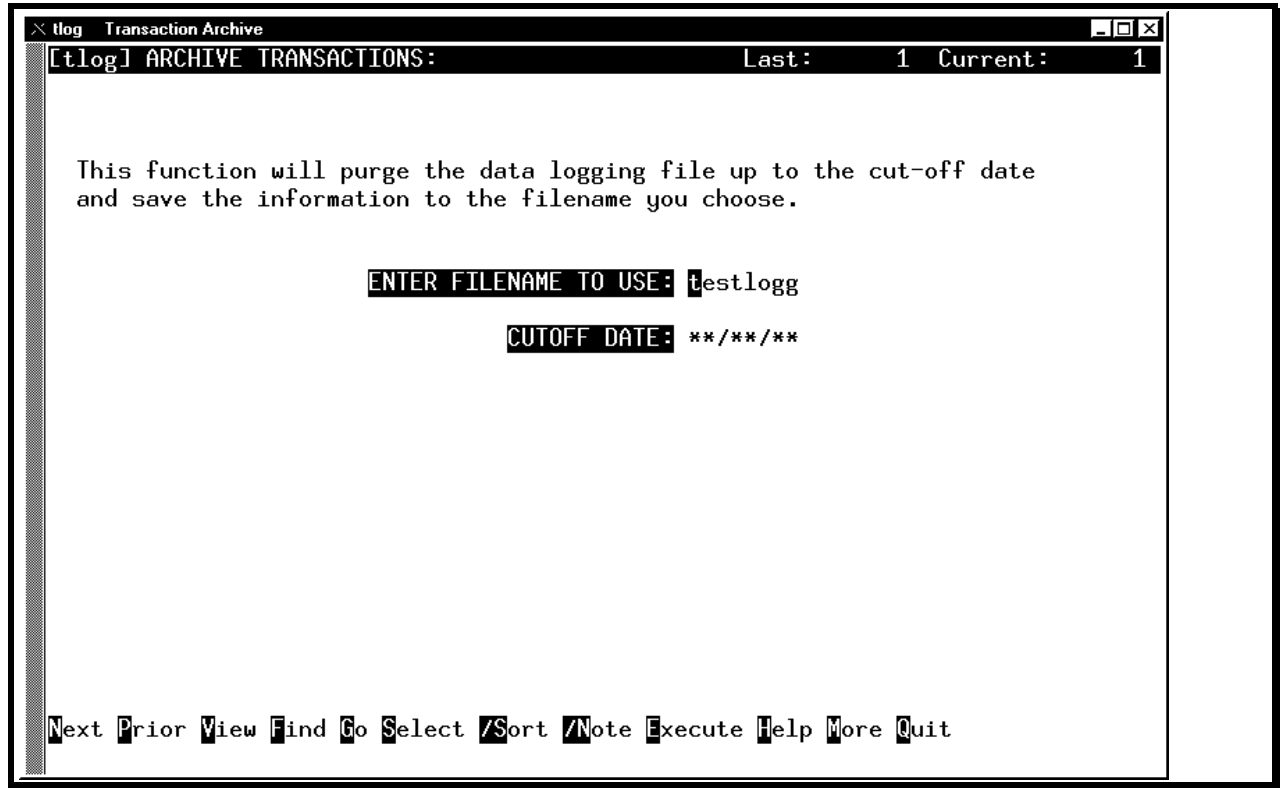


Figure 4.3.4-75. Transaction Archive CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.
- Execute This command invokes the appropriate process and prints a report on the results.

Table 4.3.4-72. Transaction Archive Field Description

Field Name	Data Type	Size	Entry	Description
ENTER FILENAME TO USE				Enter filename to archive the transaction log to.
CUTOFF DATE (Transaction archive)				Enter last date for transaction records to be archived.

Remember to press <ENTER> after each field.

4.3.4.1.9.12 OEM Part Numbers

OEM Part Numbers provides for the maintenance of OEM Part Numbers information used in the inventory and logistics processes

4.3.4.1.9.12.1 OEM Part Numbers

This screen provides for the maintenance of OEM Part Numbers information used in the inventory and logistics processes.

The screenshot shows a window titled "oempart OEM Part Numbers". Inside, the text "[oempart] OEM PART NUMBERS:" is followed by "Last: 3495" and "Current: 1". Below this, the following fields are displayed:

- OEM PART: 004024
- OEM MFG: 3M
- MODEL/VERSION:
- OEM DESCRIPTION: 3.5 DS-HD Floppy Diskette
- VENDOR: IBS
- COST: 6.81
- HW/SW CODE: H
- YEAR MFG: 1994
- MEDIA CODE:
- MEDIA:

At the bottom of the screen, there is a menu bar with the following options: Next, Prior, View, Find, Go, Select, /Sort, /Note, Help, More, and Quit.

Figure 4.3.4-76. OEM Part Numbers Screen

Unique Bottom Line Commands:

/Add Add (store) the displayed record (data on the screen) to the data base.
/Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
/Delete Delete the displayed record (data on the screen) from the data base.
/Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
/Modify Modify (store) the displayed record (data on the screen) in the data base.
/Note Add a note to the displayed record (data on the screen).
/Sort Sort on the selected field of the displayed record (data on the screen).
View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-73. OEM Part Numbers Field Description

Field Name	Data Type	Size	Entry	Description
OEM PART (Part numbers)				This is the manufacturer's part number of the item being cataloged
OEM MFG (Part numbers)				This is the name of the manufacturer.
MODEL/VERSION (Part numbers)				This field is used to enter the actual Model and or Version of the item.
OEM DESCRIPTION (Part numbers)				This field reflects the description of the OEM PART NUMBER entered in the field above.
VENDOR (Part numbers)				Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.
COST				This field is the purchase cost of the item.
HD/SW CODE				This field provides the ability for the user to enter a code designating the type of item. The user may zoom to the Hardware/Software data file. NOTE: This data must be previously entered in screen Hardware/Software Codes (hswcd).
YEAR MFG				This field is used to enter the actual 4-digit year the item was manufactured. This field defaults to the current year.
MEDIA CODE				TBS
MEDIA				TBS

Remember to press <ENTER> after each field.

4.3.4.1.9.13 Shipment Number Manager

Shipment Number Manager provides for the maintenance of the Shipment Number conversion used to assign numbers to shipments.

4.3.4.1.9.13.1 Shipment Number Manager Screens

This screen provides for the maintenance of the Shipment Number conversion used to assign numbers to shipments.

SITE	NO	ALPHA
ARC	0	
ASF	7	B
EDC	1	L
EDF	0	
EDFARC	0	
EDFSTK	0	
GSFC	3	I
JPL1	2	B
JPL2	8	A
LaRC	6	K
MSFC	5	D
NSIDC	4	D
ORNL	9	G

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-77. Shipment Number Manager CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-74. Shipment Number Manager Field Description

Field Name	Data Type	Size	Entry	Description
SITE (LOCATION)				This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously enter with screen Material Location Maintenance (imlocns).
NO (Shipment Numbers)				Site number used in shipment tracking.
ALPHA (Shipment Numbers)				Alpha code corresponding to site number used in shipment tracking.

Remember to press <ENTER> after each field.

4.3.4.1.9.14 Carriers

Carriers provides for the maintenance of Carrier information used in the inventory and logistics processes.

4.3.4.1.9.14.1 Carriers Screens

This screen provides for the maintenance of Carrier information used in the inventory and logistics processes.

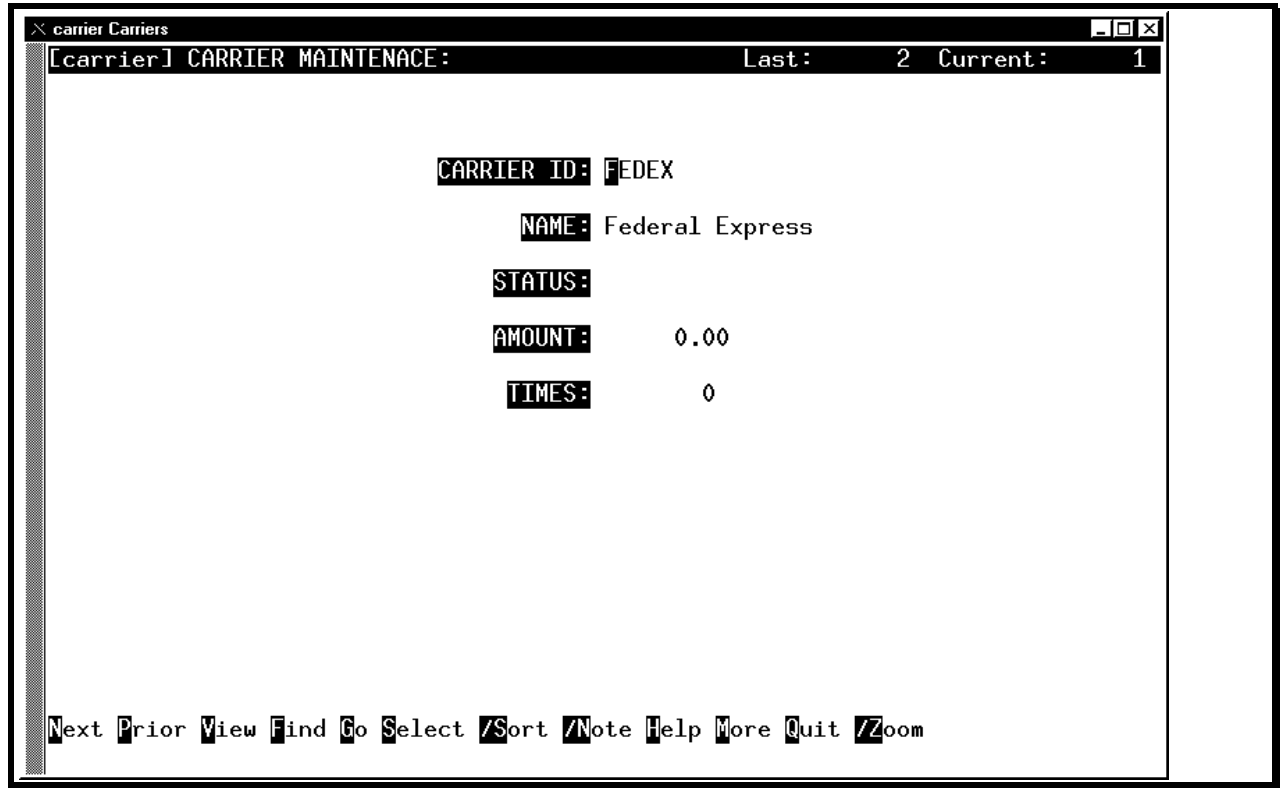


Figure 4.3.4-78. Carriers CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- /Zoom Display a list of all the values of the selected field in the data base.
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-75. Carriers Field Description

Field Name	Data Type	Size	Entry	Description
CARRIER ID				Enter the code to be used for the carrier
NAME (Carrier)				Enter the name of the carrier corresponding to the displayed code.
STATUS (Carrier)				Status of the carrier.
AMOUNT (Carrier)				TBS
TIMES (Carrier)				TBS

Remember to press <ENTER> after each field.

4.3.4.1.9.15 ILM Import Records

ILM Import Records provides for the movement of a file from the drop directory to the application directory, unTar it, and load the data base for all ILM related files.

4.3.4.1.9.15.1 ILM Import Records Screens

This screen provides for the movement of a file from the drop directory to the application directory, unTar it, and load the data base for all ILM related files.

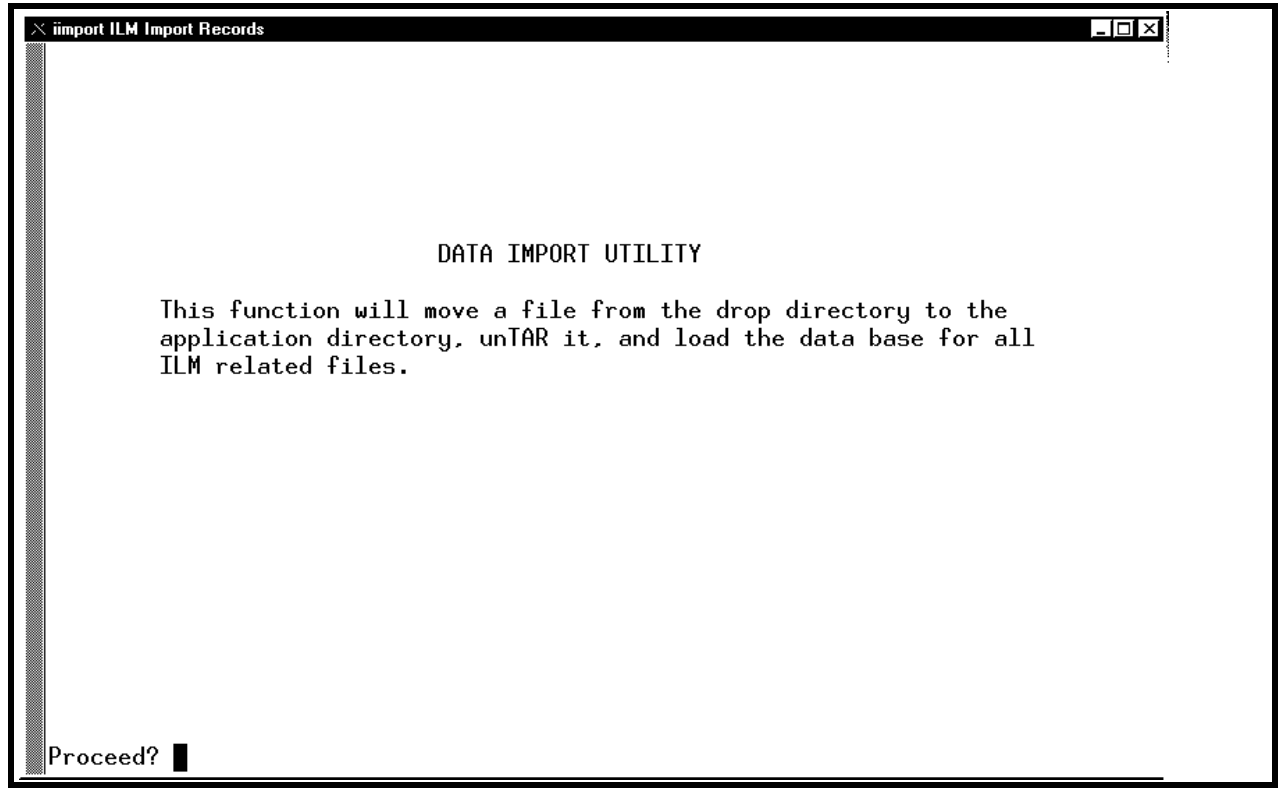


Figure 4.3.4-79. ILM Import Records CHUI

Unique Bottom Line Commands:

Proceed? Y = continue with the process, N = quit. The default is N.

Remember to press <ENTER> after each field.

4.3.4.1.9.16 Sales / Purchase Terms: Maintenance

Sales / Purchase Terms: Maintenance provides for the maintenance of the Sales / Purchase Terms information used in the inventory and logistics processes.

4.3.4.1.9.16.1 Sales / Purchase Terms: Maintenance Screens

This screen provides for the maintenance of the Sales / Purchase Terms information used in the inventory and logistics processes.

syterms Sales/Purchase Terms Maintenance

[syterms] SALES/PURCHASE TERMS MAINTENANCE: Last: 2 Current: 1

TERMS CODE: N3

TERMS DESCRIPTION: Net 30

DISCOUNT PERCENT: 0.00

DISCOUNT DAYS: 0

DAYS FOR NET: 30

STATUS: [I = inactive]

Next Prior View Find Go Select /Sort /Note Help More Quit

Figure 4.3.4-80. Sales/Purchase Terms: Maintenance s CHUI

Unique Bottom Line Commands:

- /Add Add (store) the displayed record (data on the screen) to the data base.
- /Copy Copy the “tagged” displayed fields (data on the screen) to other fields.
- /Delete Delete the displayed record (data on the screen) from the data base.
- /Insert Insert (store) the displayed record (data on the screen) in sequence to the data base
- /Modify Modify (store) the displayed record (data on the screen) in the data base.
- /Note Add a note to the displayed record (data on the screen).
- /Sort Sort on the selected field of the displayed record (data on the screen).
- View Toggles between “form” or record display and “table” or list display.

Table 4.3.4-76. Sales/Purchase Terms: Maintenance Field Description

Field Name	Data Type	Size	Entry	Description
TERMS CODE				Enter the code to be used for this TERMS set.
TERMS DESCRIPTION)				Description for this TERMS CODE.
DISCOUNT PERCENT)				Discount percent if available.
DISCOUNT DAYS				Days to pay invoice to get discount.
DAYS FOR NET				Days to pay before getting penalized for late payment.
STATUS				Status code for TERMS CODE

Remember to press <ENTER> after each field.

4.3.4.2 Required Operating Environment

ILM is a UNIX-based application and it is hosted on the MSS server. The character based user interface of ILM is a customization of the COTS package XRP-II, and requires X-Windows Motif. The database manage for this tool is UNIFY Relational Database Management System.

4.3.4.2.1 Interfaces and Data Types

Not applicable.

4.3.4.2.2 Tunable Parameters

Table 4.3.4-77. Tunable Parameters

Operator Task	Affected Data/Parameter	Range of Values	Source	Tool/Change Control	Description
	SITEID	Valid Site	SYSPARS	SITEINFO	
	LAST EIN	SITEID+ #	SYSPARS	SITEINFO	
	DEFAULT MANF YR	Current year	SYSPARS	SITEINFO	

4.3.4.2.3 Environment Variables

Table 4.3.4-78-1 lists the environment variables required by ILM.

Table 4.3.4-78. Environment Variables

Required By	Environment Variable	Description or Valid Ranges
XRP-II	UNIFY	Set to the "lib" directory where Unify is installed /usr/ecs/OPS/COTS/accell/lib
XRP-II	PATH	Set to include directories to be searched for XRP-11 executables \$UNIFY/..bin:\${PATH}
XRP-II	UNICAP	<i>Need description of what this is</i> \$UNIFY/unicap
XRP-II	MSPATH	Set to the principal directory for the XRP-II application /usr/ecs/OPS/COTS/xrp

4.3.4.3 Databases

The XRP-II application uses the COTS product UNIFY for data base functions. Refer to the UNIFY documentation.

4.3.4.3.1 Database Schema

The table below lists the fields encountered on the ILM screens. The names were taken from the screens and the descriptions from online help for the field or interpretation of the screen function. The data attributes of the fields must be extracted from the XRP-II data base.

Many CHUIs have several fields grouped together that are filled in by the program as a result of a different field. For instance, an EIN may determine all the LOCATION parameters (Location, Building, Room). These cases are indicated as MULTI-FIELD in the Data-Type column below.

Table 4.3.4-79. ILM Field Description

Field Name	Data Type	Size	Entry	Description
# (PO)				Count of entries on the Item Page
ADDRESS 2 (Consignee)	C	30		Second part of address.
ALDT	N	9		This field is used to enter the known (actual) ALDT time in hours.
ALDT REASON CODE	C	2		Enter the reason code for the ALDT.
ALPHA (Shipment Numbers)	C	2		Alpha code corresponding to site number used in shipment tracking.
AMOUNT (Carrier)	N	10		TBS
ASSEMBLY ID	C	35		Identifier for the assembly displayed. All components of the assembly can be referenced through this "parent" id or code.
BASELINE ID	C	20		This field provides the ability for the user to point to an equivalent item contained within the BASELINE MANAGEMENT system. The user may enter the ID if known, or perform a zoom to the Baseline data file.
Baseline ID (EIN)	C	20		This field is the Baseline Control Item ID as entered in when the EIN was added to the system.
BASELINE ITEM	C	20		This field provides the ability for the user to point to an equivalent item contained within the BASELINE MANAGEMENT system. The user may enter the ID if known, or perform a zoom to the Baseline data file.
BDLG (PO)	C	6		This field is used to designate the building number within the site where the item is.
BILL OF LADING	C			The user will enter the actual Bill of Lading in this field.
BILL TO BRANCH	C	6		Enter the site code for the vendor to send the invoice. The operator may /Zoom to the Location table for other location codes.
BILL TO SITE	C	6		Enter the site code for the vendor to send the invoice. The operator may /Zoom to the Location table for other location codes.
BUILDING	C	6		This field is used to designate the building number within the site where the item is.
BUYER	C	30		Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
BUYER CODE or RANGE	C	2		Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
BUYER ID	C	2		Enter the buyer ID. The operator may /Zoom to the buyer data base to obtain the appropriate value.
CARRIER ID	C	2		Enter the code to be used for the carrier
CC MAIL (Employee)	C	30		CC-mail address of the employee described by the displayed code.
CCR #	C	30		Enter the applicable CCR number.
CHANGE NUMBER	N	8		Enter the numeric value of the change number for PO's that have experienced modifications from the original entry date.
CHILD	C	20		Displayed is the CHILD EIN with the description of the item under
CITY	C	25		City part of address
CODE (Hardware/Software)	C	4		The user will enter any desired (Hardware/Software) code in this field.
CODE (Maintenance)	C	2		The user will enter any desired code in this field.
CODE (Requisition)	C	2		is a special user code that you can associate with this requisition.
CODE (Status codes)	C	4		The user will enter any desired (Status codes)code in this field.
COMMENT	C	60		This field is a user comment field.
COMPONENT EIN	C	35		This field is the component EIN number of the Parent EIN.
COMPONENT ID (Assembly)	C	35		Identifier for the specific component of the displayed assembly. The first component of an assembly must have the same id/code as the assembly id.
CONSIGNEE NAME	C	30		Name of individual/office responsible for material at the site.
CONTRACT ID	C	11		The user will enter the actual ID as assigned by Purchasing or provided by the vendor.
CONTRACT NO	C	10		Enter the maintenance contract number.
COST	N	10		This field is the purchase cost of the item.
CUTOFF DATE	C	8		Enter the last date for the system to examine PM items and generate orders.
CUTOFF DATE (Transaction archive)	C	8		Enter last date for transaction records to be archived.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
DATE	C	8		Date for the query; e.g. transaction date.
Date Entered	C	8		This field is a system assigned date when the record was added to the data base and not modifiable by the user.
DAYS FOR NET				Days to pay before getting penalized for late payment.
DEFAULT MFG YEAR	C	4		DEFAULT MFG YEAR
DEFAULT RECEIPT LOCATION	C	5		This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
DESC (Maintenance)	C	40		Enter the description of the (maintenance) code.
DESC (PO)	C	40		is an auto filled field based upon your selection of the OEM PART number
DESCRIPTION	C	40		is an auto filled field based upon your selection of the OEM PART number
DESCRIPTION (Hardware/Software)	C	40		Enter the description of the ((Hardware/Software) code.
DESCRIPTION (Material Location)	C	40		Text description of the utility of the site.
DESCRIPTION (Status codes)	C	40		Enter the description of the (Status codes)code.
DEST (PO)	C	6		This field is the destination location or site code where the parent and children are being shipped to. The user may /Z, Zoom at this field to display the location data base.
DESTINATION	C	6		This field is the destination location or site code where the parent and children are being shipped to. The user may /Z, Zoom at this field to display the location data base.
DESTINATION LOCATION, BUILDING, ROOM	MULTI-FIELD			Enter the destination location, building and room codes where the parent is to be transferred to. The operator may /Z, Zoom to the location data base to choose an appropriate location.
DESTINATION LOCATION	C	6		is where the items are to be delivered.
DIMENSIONS				Enter the actual dimensions of the box.
DISCOUNT DAYS				Days to pay invoice to get discount.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
DISCOUNT PERCENT)				Discount percent if available.
DUE DATE	C	8		is calculated by ILM for you (Today plus 45 days.)
E MAIL (Employee)	C	30		E-mail address of the employee described by the displayed code.
ECS NAME	C	23		This field provides the ability for the user to enter a name the item will be known by.
ECS Name	C	23		This field is the ECS Name assigned to the Parent EIN Record.
ECS Name through Old User	MULTI-FIELD			These fields are all reflected from the Parent Ein record and cannot be modified.
EIN	C	20		This field is for the entry of the actual silver tag numbers attached to each item. If an item must be controlled by the ILM but does not receive a silver tag, the system creates an internal tag number which is prefixed with the Site abbreviation and contains a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment. This number, whether entered or assigned, must be used for all machine configuration operations as well as reporting and maintenance functions.
EIN through ROOM	MULTI-FIELD			These fields are not modifiable by the operator and represent the actual data from the EIN file.
EMPL	C	3		Enter the employee code.
EMPLOYEE NUMBER (Employee)	C	8		Employee identification number "Employee code" generated by the program.
END DATE	C	8		Enter the date the contract will expire.
ENGINEERING CHANGE	C	8		This field is the change number assigned when the record was added to the data base. The user should press RETURN at this field to allow the system to assign the default.
ENTER NAME TO USE	C	20		Enter filename to archive the transaction log to.
ENTER NUMBER OF COPIES	N	1		Enter any number of copies of the report to print.
EOM Part through WARRANTY DATE	MULTI-FIELD			These fields are all copied from the child EIN record and may be modified in this screen as required.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
ESTIMATED DUE DATE	C	8		Enter the estimated due date for the material being ordered.
ESTIMATED SHIP DATE	C	8		This field is the estimated ship date for the shipment.
Events				TBS
EXPORT FUNCTIONING	C	1		Allows use of the Export Inventory Data function.
FAILURE CODE				TBS
FAILURE DATE	C	8		Enter actual failure date.
FAILURE DATE and TIME	MULTI-FIELD			Enter actual failure date and time.
FAILURE TIME	C	5		Enter actual failure time.
FAX NUMBER (Employee)	C	13		FAX number of the employee described by the displayed code.
FIELD NUMBER	N			The field number of the transaction field to query.
FIRST NAME (Employee)	C			First name of the employee described by the displayed code.
FREQUENCY	N			Enter number of days between PM's.
HD/SW CODE	C	10		This field provides the ability for the user to enter a code designating the type of item. The user may zoom to the Hardware/Software data file. NOTE: This data must be previously entered in screen Hardware/Software Codes (hswcd).
HDWSFT CODE	C	10		This field provides the ability for the user to enter a code designating the type of item. The user may zoom to the Hardware/Software data file. NOTE: This data must be previously entered in screen Hardware/Software Codes (hswcd).
ILM				TBS
ILM INTERNAL SHIPMENT SEQUENCE				This field is the internal shipment sequence maintained by the system. The user should always press return at this field to allow the system to assign the next internal sequence number.
INACTIVE DATE	C	8		This field is the date to make the structure ineffective.
INCLUDE REVIOUSLY RELEASED ITEMS (YN)	C	1		Include (Y) items covered in the selected POs that have a RELEASE CODE showing the item is released. Else (N) display only unreleased items.
INSTALL	C	1		This field accepts either a 'N' or 'Y' to designate to the system which items are to be shipped with the parent..

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
INSTALLATION DATE	C	8		This date reflects the actual date this item was installed.
INSTALLATION REPORT	N	4		This field is the installation report number assigned by the system when an installation had occurred and as reflected from the EIN Record for the Parent EIN.
ITEM NUMBER or RANGE	c			Item number(s) to report.
ITEM PRICE				This field is the purchase cost of the item. Same as COST.
LAST & CURRENT	C	35		indicate the last requisition entered and the current requisition you are reviewing.
LAST CONTROL ITEM ID	C	20		Control Item ID to display as the last ID assigned. A new generation of Control Item IDs will be generated starting with this one.
LAST DATE	C	8		Enter the last date a PM as performed for this item.
LAST EIN	C	20		EIN to display as the last EIN assigned. A new generation of EINs will be generated starting with this one.
Last Name	C	30		This field reflects the employee last name from the employee master file.
LAST NAME (Employee)	C	30		Last name of the employee described by the displayed code.
LATEST DUE DATE to RELEASE	C	8		is calculated by ILM for you (Today plus 45 days.)
LOCATION	C	6		This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
LOCATION TYPE (Material Location)	C	1		Specifies the material application at the site: Null or S = stock, R = received, N = non-nettable, W = work center, A = archive.
MAINT CODE	C			The user will enter any desired code in this field.
MAINT CONTRACT	C	21		This field is used to enter the Maintenance Contract number for maintenance on this particular item. The user may zoom to the Contract data file and choose the desired contract number. NOTE: This data must be previously enter with screen Maintenance Contracts (mntcont).

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
MAINT VENDOR	C	6		This field is used to enter the code for the vendor who is the maintenance vendor. The user may zoom to the Vendor data file and choose the appropriate code. NOTE: This information must be previously enter using screen Vendor Master Maintenance (vmasts).
MAINTENANCE DUE ON	C	8		Enter the date the next maintenance is due.
MATERIAL LOCATION ID	C	6		ID for the location where material can be found.
MEDIA	C	2		TBS
MEDIA CODE	C	2		TBS
MFG	C	6		This is the name of the manufacturer.
MFR/DEV	C	6		This field is used to enter the Manufacturer or Developer ID. The user may zoom to the appropriate data file and pick the desired code. NOTE: This data must be previously entered with screen Vendor Master Maintenance (vmasts).
MOD/VER (PO)	C	25		This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file.
MODEL/VERSION	C	25		This field is used to enter the actual Model and or Version of the item. If the user had chosen a known OEM Part, this field will be written with the information from this file.
MODEL/VERSION (Part numbers)	C	25		This field is used to enter the actual Model and or Version of the item.
Name	C	30		This field is the user's name as reflected from the user file.
NAME	C	30		Vendor name for the displayed vendor ID.
Name (Buyer ID)	C	30		This field is the user's name as shown in the Buyer file.
NAME (Carrier)	C	30		Enter the name of the carrier corresponding to the displayed code.
NASA CONTRACT	C	11		This field is used to designate the Contract number used for this item. This information is automatically assigned and can not be changed.
NASA CONTRACT NUMBER	C	11		Default NASA Contract Number
NEW (Report numbers)	C	5		Enter the corresponding NEW Report numbers.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
NEW BUILDING	C	10		This field is the new building code where the parent was installed.
NEW LOCATION	C	6		This field is the new location code or site code where the parent was installed.
NEW ROOM	C	6		This field is the new room code where the parent was installed.
NEW USER	N	4		This field is the user code the parent was assigned to. The operator may /Z, Zoom at this field to view the User data base.
NO (Shipment Numbers)	N	4		Site number used in shipment tracking.
NOTE	C	60		This field is used to enter a 60 character note attached to this item.
NOTE (PO)	C	60		Enter a 60 character note to describing why this PO is used
NOTE (Requisition)	C	60		is a field for you to enter a 60 character note about this requisition. For example why you are buying this material or who told you to order these items, etc.
NOTE 1	C	60		This field is used to enter a 60 character note attached to this item.
NOTE 1 and NOTE 2	C C	60 60		Enter any notes to appear on the header of the report.
NOTE 2	C	60		This field is used to enter a 2nd 60 character note attached to this item.
NOTIFICATION DATE and TIME	C C	8 5		These fields are initialized with the current date and time and can be modified.
Nth MACHINE TO SEND TO	C	6		Enter Site Code of machine to receive Inventory Data.
Number of Cartons and Weight	N	2		
NUMBER OF COPIES	C	1		Enter any number of copies of the report to print.
OEM Desc	C	40		This field is the OEM Description reflected from the EIN Record for the Parent EIN.
OEM DESC (WO)	C	40		This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.
OEM DESCRIPTION	C	40		This field reflects the description of the OEM PART NUMBER entered in the field above, but provides the ability for the user to modify it in the EIN file.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
OEM DESCRIPTION (Part numbers)	C	40		This field reflects the description of the OEM PART NUMBER entered in the field above.
OEM MFG (Part numbers)	C	40		This is the name of the manufacturer.
OEM Part	C	35		This field is the OEM part number reflected from the EIN record of the child.
OEM PART	C	35		is the manufacturer's part number of the item(s) you are ordering. The next field, DESCRIPTION, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection
OEM PART (Part numbers)	C	35		This is the manufacturer's part number of the item being cataloged
OEM PART NUMBER	C	356		This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
OEM Part, Model, and OEM Desc	MULTI-FIELD			These fields are reflected from the EIN record of the entered parent EIN.
OEMPART (PO)	C	35		is the manufacturer's part number of the item(s) you are ordering. <i>The field, DESC, is automatically filled with the selected part's description when you make this selection. Use the /Zoom screen to assist your selection</i>
OLD (Report numbers)	C	5		The user will enter OLD Report numbers.
Operator ID	N	3		This field is the login ID of the user who added this item to the data base and is not modifiable by the user.
OPERATOR ID	C	4		UserID of the operator performing this value is supplied by the program.
ORDER STATUS [FRCX] (Status)	C	2		Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
OUTSIDE CONTRACTOR	C	1		This field should always be left at the default of 'Y'.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
PACKING LIST	C	10		Tracking Identifier/ ID of the packing list included in the received shipment.
PAGER NUMBER (Employee)	C	13		Pager Number of the employee described by the displayed code.
PARENT	C	20		Enter the Parent EIN number to be shipped.
PARENT EIN	C	20		This field is the Parent EIN for the installation/structure. The user may /Z, Zoom at this field to view the entire EIN data base.
PART (OEM Part Number)	C	35		This field is for the entry of the Manufacturer's or Vendor's part number. The user may perform a zoom to the OEM PART NUMBER screen (oempart) at this field to pick the appropriate item. NOTE: These OEM Part Numbers must be entered prior to the use in this screen. When an item is from this file is chosen, the information contained in the file is written to the EIN file.
PART BUYER	C	3		is filled by ILM using you user ID
PAYMENT TERMS CODE	C	2		Enter code for payment. The operator may /Zoom to the payment terms data base to choose the appropriate terms code.
PERSON REQUESTING	C	13		Name of person completing the requisition. Automatically filled in from the operator's UserID.
PHONE	C	13		Telephone number of address
PHONE (Buyer)	C	13		Telephone number of the Buyer described by the displayed code.
PHONE (Employee)	C	13		Telephone number of the employee described by the displayed code.
PIN	C	4		Enter the PIN number applicable for authorization for vendor contact.
PO NUMBER	C	10		The user will enter the Purchase Order Number in this field for item selection when adding children items. The user will use the PO Number or the Vendor Code in he next field. For Receipts the field is filled in by the Receiving system and designates the Purchase Order the item was received against.
PRICE	N	10		is the total price of each item.
PRINT PURCHASE ORDERS (YN)	C	1		Print (Y) the displayed information. Else (N) do not print.
PRIORITY	C	1		This is a user controlled field and any value may be entered.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
PURCHASE ORDER	C	10		This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN>. The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
PURCHASE ORDER (Requisition)	C	10		is the PO # associated with this requisition
PURCHASE ORDER RANGE or	C	10		This is the actual Purchase Order number. The system will generate the next available number for you when you press <RETURN>. The operator can use the Purchase Order Modification screen to change the PO number after the actual PO number is obtained from Purchasing
PURCHASE ORDER or RANGE	C	25		PURCHASE ORDER number(s) to report.
PURCHASE TERMS CODE	C	2		Enter the terms code for the PO.
QUANTITY	N	4		Enter the quantity of the boxes having the same dimension and weight.
QUANTITY (PO)	N	4		Number of items on order.
QUANTITY PER (Assembly)	N	4		The total number of the displayed components in the assembly.
QUANTITY REQUIRED	N	4		is the total number of items you wish to order.
REASON	C	2		Enter the appropriate reason code for the delay entered.
REASON CODE	C	2		Enter the reason code for the transfer, The operator may /Z, Zoom to the reason code data base to choose the appropriate code.
RECEIPT DATE or RANGE	C	20		Receipt date(s) to report.
RECEIPT NUMBER or RANGE	C	10		Receipt tracking number(s) to report.
RECEIVED BY	C	4		<u>User Id</u> code of the operator entering this receipt.
RECEIVED DATE	C	8		The date the item was received.
RECOMMENDED VENDOR	C	6		selects the vendor code and is your opportunity to select your vendor of choice for this item. Use the /Zoom screen to assist your selection. ILM fills in the name fields for you when you make this selection.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
RECORD EVENTS				TBS.
RELEASE CODE	C	10		This field is used for entry of the actual release code for the item.
REPLACE (R) or NEW (N)	C	1		Enter an 'R' in this field for the Child EIN that had been replaced in the machine. When entering a new item, be sure to place an 'N' in this field to designate the record as being new.
REPLACE OR ADD DATE				TBS.
REPORT NUMBER	N	4		This field is the installation report number assigned by the system when an installation had occurred.
Report Number and Alpha	MULTI-FIELD			These two fields display the shipping report number for the location and parent EIN and are not modifiable by the user.
REQN (PO)	C	2		is the requisition number assigned to this Purchase Order. <i>It automatically generated when the user presses the <ENTER> key.</i>
REQUISITION	C	2		is the requisition number assigned to this Material Requisition. It automatically generated when the user presses the <ENTER> key.
RMA#	C	6		Reliability Maintainability Availability number.
ROOM	C	4		This field is used to enter the actual room number of where the item is or will be shipped to.
SEND NOW	C	1		TBS.
SEQUENCE	N	1		This field is the automatically assigned sequence number of the cartons data attached to the shipment header record.
SERIAL NUMBER	C	30		This field is for the entry of the serial number of the product being entered. If the item does not contain a serial number of it's own, the system will assign an internal number prefixed with the Site abbreviation and contain a sequentially assigned number. Pressing RETURN at the field prompt automatically performs this internal assignment
Serial Number through Control Item ID	MULTI-FIELD			These fields are all reflected from the EIN file for the Parent as entered.
Serial Number through Room	MULTI-FIELD			These fields are all reflected from the EIN file for the Parent as entered.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
SET AS PM ITEM (Y/N)	C	1		Enter a 'Y' in this field if the item should experience a preventative maintenance operation.
SHIP DATE	C	8		This field is the actual shipping date and defaults to the current date.
SHIP REPORT	N	3		This field is the report number assigned to this item as reflected from the Parent EIN record when the item was shipped.
SHIP TO BRANCH	C	6		Enter the site code for the material to be shipped to. The default is the current site. The operator may /Zoom to the Location table for other location codes.
SHIP TO SITE	C	6		Enter the site code for the material to be shipped to. The default is the current site. The operator may /Zoom to the Location table for other location codes.
SHIP VIA	C	4		This field is used to enter the shipment method.
SHIPPING REPORT ALPHA	C	2		Shipping report code associating an alpha code to a numeric site code. See Shipment Numbers by Site screen (shipno).
SHIPPING REPORT NUMBER	N	2		This field is the report number assigned to this item when the item was shipped.
SITE (Location)	C	6		This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
SITE ID (Location)	C	6		This field is used to designate the actual location or site of where the item is. The user may zoom to the Location screen to pick an appropriate code. NOTE : This data must be previously entered with screen Material Location Maintenance (imlocns).
Site Name	C	30		Name of the Site whose code is displayed.
SOFTWARE LIC NUM	C	10		This field is used to enter the license number for a software type license item.
START DATE	C	8		Enter the date the contract is to become effective.
START DATE and END DATE	MULTI-FIELD			These fields are used to enter the beginning and ending dates for known delay times in the repair of a system.
START TIME and END TIME	MULTI-FIELD			These fields are used to enter the beginning and ending times associated with the dates above for known delay times in the repair of a system.
STATE	C	2		State 2 character abbreviation of address.
STATUS				Status code for TERMS CODE

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
Status	C1			This field is the current status of the item.
STATUS	C	1		Enter the appropriate status. When the order is first entered, the status is NULL. When the order has been printed, the status moves to 'R' for released. When all line items have been received complete, the status moves to 'C' for complete. The status of 'X' is used to manually cancel an order.
STATUS (Carrier)	C	1		Status of the carrier.
STATUS (Employee)	C	2		Status of the employee described by the displayed code.
STATUS CODE	C	1		This field designates the status of the item and is controlled by transactions within the system.. The following codes are included : R - Received; S - Shipped; I - Installed; A - Archived;
Status through Phone	MULTI-FIELD			These fields present the status of the parent and the coassignee name and address information from the location data base.
SUBLOCATION/ LOT	C	10		Additional identification of the receipt location.
SUBMITTER	C	10		Enter the employee code for the person who submitted the problem and caused the work order to be opened. The operator may /Z, zoom to the employee file.
SWITCH OVER TIME	C	5		Enter the total hours required for switch over.
SYSTEM PARAMETER KEY	C	1		The Key filed of the System Parameter file. The active record has the value "A".
TABLE NAME				The table name of the database table containing the field to query.
TERMS CODE				Enter the code to be used for this TERMS set.
TERMS DESCRIPTION)				Description for this TERMS CODE.
TEXT	C	255		Press /Z at this prompt to obtain a free form text window. The operator should enter the failure / repair details in this window. When complete, press F3 to exit the text window.
Time	C	5		Time for the query; e.g. transaction time
TIME TO REPAIR	C	5		This field is used to enter the known time the repair required in hours.
TIMES (Carrier)	C	5		TBS

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
TOTAL	N	10		This is the system calculated value of the order.
TOTAL CHARGEABLE DOWNTIME	C	5		Enter the total hours to be charged for downtime.
TRAN CODE	C	2		This field designates the transaction code. The value will always be set to '03' and is not modifiable by the user
TRANSACTION KEY	C	20		The transaction log key field. This key is assigned by the program.
TRANSACTION TYPE	C	1		Code for the TYPE of transaction to query: A = Add, M = Modify, D = Delete.
TRANSFER	C	1		Enter a 'Y' if the child is to be transferred.
TRANSFERRED RECORD LOCATION	C	20		TBS
TROUBLE TICKET	C	15		Enter the applicable trouble ticket number here.
TT #	C	15		Enter the appropriate Trouble Ticket number if this PO is open because of a trouble ticket.
TYPE OF ORDER CODE	C	1		This field should always be left at the default of 'S'.
TYPE OF ORDER(Requisition)	C	2		allows you to select the appropriate code this requisition:
UNIT COST	N	10		This field is used to enter the price for each item.
UNIT OF MEASURE	C	2		is the measure of the item you are buying. Use the /Zoom screen to assist your selection
USE BRANCH AS ORDER PREFIX	C	1		This option will generate Purchase and Work Orders with the Work Center code for the employee creating the Order as a prefix.
USER	C	10		The user code of the person who has the item. The user may choose to zoom to the User ID data base and pick the appropriate code. NOTE : This information must be previously entered with screen Employee Maintenance (sfempmnt).
VENDOR	C	6		This field is used to enter the Vendor code whom the item was purchased from. The user may zoom to the Vendor data file and pick the desired code. NOTE: This data must be previously enter using screen Vendor Master Maintenance (vmasts).
VENDOR (Part numbers)	C	35		Enter the vendor ID. The operator may /Zoom to the vendor data base to choose the appropriate vendor code.

Table 4.3.4-79. ILM Field Description (cont.)

Field Name	Data Type	Size	Entry	Description
VENDOR ARRIVAL DATE and TIME	MULTI-FIELD			Enter the date and time the vendor actually arrived to perform the repairs.
VENDOR CALL DATE	C	8		Date the vendor was called and informed of the problem.
VENDOR CALL TIME	C	5		Time the vendor was called and informed of the problem.
VENDOR COMPLETE DATE and TIME	MULTI-FIELD			Enter the actual date and time the vendor completed the repairs.
Vendor name	C	35		Vendor name on the PO
VENDOR PART	C	35		is the actual vendor part number if it differs from the OEM part number entered earlier on this screen.
VENDOR POC	C	35		Enter the name of the person designated as the point of contact at the vendor facility.
WARRANTY DATE (WO)	C	8		<i>This field is the end date for the warranty period.</i>
WARRANTY EXP DATE	C	8		This field is used to enter the end date for the warranty period. This field default to 365 days from the date of entry.
WEIGHT	N	6		Enter the weight of the box.
WORK CENTER (Employee)	C	6		Work Center (normally assigned) of the employee described by the displayed code.
WORK ORDER	C	10		This is the actual Work Order number. The operator should always press RETURN to obtain the next number sequentially assigned by the system.
WORK ORDER or RANGE	C	25		Enter the Work Order number or range of numbers to examine.
YEAR MFG	C	4		This field is used to enter the actual 4-digit year the item was manufactured. This field defaults to the current year.
ZIP	C	5		Zip code of address.

4.3.4.3.2 Database Parameters

Refer to the XRP-II and UNIFY documentation.

4.3.4.3.3 Database Macros

No database macros are available for this tool.

4.3.4.4 Special Constraints

NONE.

4.3.4.5 Command Line Interface

```
rlogin MSS1
ilmusr
155.157.99.14 (Brian's PC, must be changed)
(XRP-II login screen appears)
```

Figure 4.3.4-81. ILM command line invocation

4.3.4.6 Outputs

Outputs from the XRP-II application for ILM are generated in several ways.

Table 4.3.4-80. Outputs

Output	Description and Format
CHUI displays	Menus and functions described in section 4.3.4.1
ILM Reports	Reports generated from Report selections on the ILM menu CHUIs
ILM ad hoc reports	Reports generated using the /Report option on ILM CHUIs
Prints of CHUI displays	Screen prints of the displayed information.
File output	Files generated with the Write option on ILM CHUIs
Data base updates	ILM Add, Insert, Copy, Delete, and Modify actions

4.3.4.7 Event and Error Messages

This Tool issues both status and error messages to

Both event and error messages are listed in Appendix D.

4.3.4.8 Reports

The reports used by ILM are provided in Table 4.3.4-81. This is not a complete list, but provides a representative sample of reports used by this tool.

Table 4.3.4-81. Reports

Report Type	Report Description	When and Why Used
Installation	This report provides a record of the installation of equipment (including model, version, serial numbers, and warranty period).	Whenever equipment is installed at a site to keep track of equipment available and warranties and licenses.
Installation Summary	This report provides a summary of an installation or replacement or addition of equipment to a site.	Whenever equipment is installed, added or replaced at a site to keep track of equipment available and warranties and licenses.
Inventory - By Location	TBS	TBS
Equipment Installation/ Receipt	This report provides a record of receipt of equipment at a site and the location, date, and time of the installation of the equipment.	Whenever equipment is received at a site for installation for equipment tracking purposes.
Maintenance Work Order	This report provides a record of any maintenance done to any equipment at a site.	To record and track all maintenance on equipment at a site.
Receipts	This report provides three distinct ways to list receipts. Receipts are listed by part, vendor, or list by part.	To track parts, when received, and vendor part is received from.
Purchase Order	This report provides a record of a purchase order(s).	Whenever a purchase is made for equipment for a site.
Relocation	This report provides a record of any equipment relocations within or outside of a site.	Whenever equipment is relocated from one place to another within the ECS.
Shipping	TBS	TBS
EIN Structure	This report provides a listing of equipment with parent and child (parts) of equipment to assemble.	Whenever equipment with parts are provided to a site to determine and track parts of equipment and for maintenance.
Transaction History	This report provides a history of all equipment transactions including archives, relocations, shipping, receiving, spares, and consumables.	Whenever an item is received, moved, put in storage, or used beyond repair.
Work Order Status	This report provides a list of work orders and the status of each work order.	To track all work orders for progress of work being performed at a site.
Equipment Transfer and Receipt	This report provides a list of equipment that has been targeted for transfer and a status of the receipt of the equipment at the transfer site.	Whenever equipment is moved from one place to another in the ECS for tracking and inventory purposes.

4.3.4.8.1 Sample Reports

RUN DATE: 12/04/97

Page No:

1

EOSDIS EQUIPMENT INSTALLATION REPORT BY ECN NUMBER

INSTALLATION REPORT #: 144 C

ECN NUMBER: 00000434
Gallagher

USER CONTACT:

DATE ON-SITE WARRANTY EXPIRES: 12/31/98
USER PHONE: (301)925-0733

WARRANTY END DATE: 12/31/98 LOCATION:
ECS Development F

HTSC HELP CENTER PHONE: 1-800-ECS-DATA
BUILDING #: 1616A

HTSC HELP CENTER HOURS ARE: 08:00 - 17:00 EST
ROOM #: 3008E

DATE RECEIVED: 12/01/94 ECS NAME:
DEEPSEA

INSTALL

MFR	PRODUCT DESCRIPTION	MODEL/VERSION	PART
NUMBER	SERIAL NUMBER	PART ECN	DATE

=====

=====

SUN SPARCStation 20-50 SX 00000434 12/04/97	20-50 SX	S20SX-50	445F1038
SUN Tape Drive - 5 GB - 4 MM 00000225 09/19/94		X822A	433G0860
SUN 20 Inch Color Monitor 00000435 01/06/95		365-1324-01	9438FC6222
TLI Small Uninterruptable Power Supply (UPS) 00000437 01/06/95			BC-1250
SUN Mouse - 3 Button EDF00000000012/04/97	Type 5		370-1398-02
SUN Keyboard EDF06081 01/06/95	Type 5	320-1072-01	9444068138
SUN 16 MB RAM (1 x 16 MB SIMM) 50124792801818 EDF06083 01/06/95			X116P
SUN 16 MB RAM (1 x 16 MB SIMM) 50124792801979 EDF06084 01/06/95			X116P
SUN 32 MB RAM (1x32 MB SIMM) 50126222802095 EDF06085 01/06/95			X132P
SUN Country Kit 01/06/95	Type 5	X3540A	EDF06086
SUN 1.05 GB HD - Internal EDF06087 01/06/95		X546A	FU619819
SUN 1.05 GB HD EDF06088 01/06/95		X649A	FU177073
SUN Motif Toolkit 01/06/95	1.2.2	MOT-P	EDF06089
SUN SPARCWorks Professional C++ EDF06090 01/06/95		4.0.1	SCP-P
SUN SPARCWorks EDF06091 01/06/95		3.0.1	SW-S
TAR DCE Base Services EDF06092 01/06/95	1.0.2		DC-L710-BASE
SYB SQL Server Utility Programs Unix EDF06093 03/12/96			30475

SYB Open Client Open Server Supplement EDF06094 03/12/96	32695
SYB Open Client Open Server Install Guide EDF06095 03/12/96	34316

RUN DATE: 12/04/97
2

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**EOSDIS
EQUIPMENT INSTALLATION REPORT
BY ECN NUMBER**

SYB SQL Server Install Guide 03/12/96	34541	EDF06096
SYB Replication Server Install Guide EDF06097 03/12/96		34921
SYB System Admin Guide Supplement EDF06098 03/12/96		35291
SYB SQL Server Error Messages EDF06099 03/12/96		38574
SYB Connectivity Doc Set 03/12/96	49040	EDF06100
SYB DEC OSF Open Client OpenServer Documenta EDF06101 03/12/96		49622

SYB	Replication Server Documentation Set	49800
EDF06102	03/12/96	
SYB	Replication Server Rls Bull Update	71016
EDF06103	03/12/96	
SYB	Rls Bulletin Replication Server	72077
EDF06104	03/12/96	
SUN	Support - Motif Toolkit Support	MOT-LIC
EDF06105	01/06/95	
SUN	Support - Spectrum Silver Support	SILVER PGM
EDF06106	01/06/95	
TAR	Support - DCE Base Services Support	DC-S710-BASE
EDF06107	01/06/95	
SUN	SPARCWorks Professional C++ License to U	SCP-LIC
EDF06108	01/06/95	
SUN	Solaris	2.3 SOL EDF06109
01/06/95		

(installr)

DATE: 12/04/97 TIME: 10:34

ECS Development Facility
PAGE: 1

INSTALLATION SUMMARY REPORT

Dates: 12/04/97-12/04/97

PARENT EIN: 00000434 NAME: DEEPSEA

OEM PART: S20SX-50 OEM DESC: SPARCStation 20-50 SX

INSTALL DATE: 12/04/97

SITE: JPL1 ; Jet Propulsion Laboratory

BUILDING: 101 ROOM: 332

CHILDREN INCLUDED:

INSTALL						
EIN	OEM PART	DATE	LOC	BLDG	ROOM	USER
=====	=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====	=====
00000434	S20SX-50	12/04/97	JPL1	101	332	Gallagher
=====	=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====	=====

RUN DATE: 12/04/97

1

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EOSDIS
EQUIPMENT INSTALLATION/RECEIPT REPORT
BY ECN NUMBER

ECN NUMBER: 00000001

USER CONTACT

DATE ON-SITE WARRANTY EXPIRES:
USER PHONE

10/31/02

WARRANTY END DATE: 10/31/02

LOCATION:

HTSC HELP CENTER PHONE:
BUILDING #

1-800-ECS-DATA

HTSC HELP CENTER HOURS ARE: 08:00 - 17:00 EST
ROOM #:

DATE RECEIVED: 08/20/93
N0MOG10

HOST NAME:

I certify that I have received the equipment only for work associated with NASA Contract NAS5 - 60000.

Signature:

Date: ____/____/____

INSTALL

MFR NUMBER	PRODUCT DESCRIPTION SERIAL NUMBER	PART ECN	MODEL/VERSION DATE	PART
=====	=====	=====	=====	=====
SGI 35261778	INDGO XS Graphics Workstation 00000001 / /		XS	WB-R50XS-1G32
SGI 00000002	19 Inch Color Monitor / /	HL7965KW-SG	D3-M92A	306017331
SGI 00000003	Tape Drive - 1.3 GB - 4 MM / /		P3-T13D	LAA92293
PSI 00000211	2.5 GB HD - Single Enclosure 6400 RPM / /		71S7-30DCC3	4072004
ATI / /	10 Base T Transceiver / /		020404	NSI02711
QVS NSI02712	Mouse Pads - 9x8 Inches / /			MSEPAD
SGI NSI02713	Mouse - 3 Button / /		9150800	339961
SGI / /	Keyboard / /	9500801	233655	NSI02714
SGI NSI02715	Ethernet Thin-Thick / /			ETHNET T-T
SGI NSI02716	8 MB SIMM RAM Chip / /			HU-C08C
SGI NSI02717	8 MB SIMM RAM Chip / /			HU-C08C
SGI NSI02718	8 MB SIMM RAM Chip / /			HU-C08C
SGI NSI02719	8 MB SIMM RAM Chip / /			HU-C08C
SGI NSI02720	Floppy Drive 3.5 Inch / /		P3-525S	M309218

SGI 1 GB HD
/ /

SD7-S10X

NSI02721

RUN DATE: 12/04/97
2

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EOSDIS
EQUIPMENT INSTALLATION/RECEIPT REPORT
BY ECN NUMBER

TDK Tape Cart- 4 MM, 2 GB, 90 Meter 062002
NSI02722 / /

RES IDL 4.0 IDL NSI02723 / /

SGI Display Postscript Systems 1.0.1 M4-DPS
NSI02724 / /

SGI C++ 3.2.1 SC4-C++ NSI02725 /
/

SGI DCE Executive 1.0 SC4-DCE NSI02726
/ /

SGI Fortran 77 4.0.1 SC4-FTN NSI02727
/ /

SGI IRIS Development Option + Challenge 5.2 SC4-IDO
NSI02728 / /

SGI Network File System 4.0.1 SC4-NFS
NSI02729 / /

SGI Graphics Library Documentation NSI02730 / /	4.1	M4-GLGT
SGI Motif Developers Documentation NSI02731 / /	2.0.1	M4-MOTIF
SGI IRIX Program Network NSI02732 / /	4.0.1	M4-UDS
SGI XWindows Software Documentation NSI02733 / /		M4-X113D
RES Support - fees - Unix- DEC NSI02734 / /		MAUC
RES Support - Extended Support NSI02735 / /		SUPU
RES Support - Extended Support NSI02736 / /		SUPU
SGI Support - Software Master Contract NSI02737 / /		SERVICE
RES SGI Node Locked IDL License NSI02738 / /		SGI 200
SGI IRIX	SC4-W4D	NSI02739 / /
SGI IRIX OS UPD NSI02740 / /	5.2	026-0903-005
SGI IRIS Development Options UPD NSI02741 / /	5.2	026-7245-004
SGI Network File Systems UPD NSI02742 / /	5.2	026-7246-004
SGI C++ Programming Lan. Compiler UPD NSI02743 / /	3.2.1	026-7247-004
SGI Fortran 77 Compiler UPD NSI02744 / /	4.0.1	026-7249-005

(mwo)
10:51

DATE: 12/04/97 TIME:

ECS Development Facility
PAGE: 1

MAINTENANCE WORK ORDER REPORT

otel:

WORK ORDER: EDF0000065

DATE: 12/02/97

PARENT EIN: 00000434

NAME: DEEPSEA

OEM PART: S20SX-50
50 SX

OEM DESC: SPARCStation 20-

SER NO: 445F1038

MOD/VER: 20-50 SX

VENDOR: SUN : SUN Microsystems Inc

FAILED: 12/02/97 - 13:00

NOTIFIED: 12/02/97 - 14:26

VENDOR CALLED: 12/02/97 - 14:00
14:30

ARRIVED: 12/02/97 -

COMPLETED: 12/02/97 - 14:45

This is test Text for this pblm EDF0000065

Used Mouse from spares pool to solve pblm. Manufac replaced mouse to
pool.

REPLACED

COMPONENT EIN
OR NEW DATE

SERIAL NO

OEM PART

MOD/VER

=====		=====	
=====		=====	
=====	=====		
00000225	433G0860		X822A
//**			
00000435	9438FC6222		365-1324-01
//**			
00000437	BC-1250		**/**/**
EDF06081	9444068138	320-1072-01	Type 5
//**			
EDF06082	MSCFL266400	370-1398-02	Type 5
REPLACED 12/02/97			
Replacing this mouse with another OEM part from the spares pool.			
EDF06083	501247928018181		X116P
//**			
EDF06084	501247928019791		X116P
//**			
EDF06085	501262228020955		X132P
//**			
EDF06086		X3540A	Type 5
//**			
EDF06087	FU619819		X546A
//**			
EDF06088	FU177073		X649A
//**			
EDF06089		MOT-P	1.2.2
//**			
EDF06090		SCP-P	4.0.1
//**			
EDF06091		SW-S	3.0.1
//**			
EDF06092		DC-L710-BASE	1.0.2
//**			
EDF06093	30475		**/**/**

EDF06094

32695

//**

(mwo)
10:51

DATE: 12/04/97 TIME:

ECS Development Facility
PAGE: 2

MAINTENANCE WORK ORDER REPORT

otel:

REPLACED

COMPONENT EIN OR NEW	DATE	SERIAL NO	OEM PART	MOD/VER
=====			=====	
=====			=====	
=====	=====			
EDF06095		34316		**/**/**
EDF06096		34541		**/**/**
EDF06097		34921		**/**/**
EDF06098		35291		**/**/**
EDF06099		38574		**/**/**
EDF06100		49040		**/**/**
EDF06101		49622		**/**/**
EDF06102		49800		**/**/**
EDF06103		71016		**/**/**

EDF06104

72077

//**

EDF06105

MOT-LIC

//**

EDF06106

SILVER PGM

//**

EDF06107

DC-S710-BASE

//**

EDF06108

SCP-LIC

//**

EDF06109

SOL

2.3

//**

(vmrecvr)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility

RECEIPTS BY PART

PAGE: 1

Part: * Part Description:

All Receipt Dates

Part:

DATE

TYPE	ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE					

=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====

PO	SUN	SUN Microsystems Inc	49 11/19/97 ken1	0.00	
PO	SUN	SUN Microsystems Inc	49 11/19/97 ken1	9,097.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	9,097.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	0.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	0.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	0.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	1,500.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	1,920.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	0.00	
PO	SUN	SUN Microsystems Inc	50 11/19/97 ABC0005349	60.00	
PO	NTI	Network Technologies Inc	51 11/19/97 H24198	510.95	
PO	CMC	Computer City	52 11/19/97 qaz1	2,108.70	
PO	CMC	Computer City	52 11/19/97 qaz1	487.00	

PO	SUN	SUN Microsystems Inc	53 11/20/97 SUNTEST1	7,200.00
PO	SUN	SUN Microsystems Inc	53 11/20/97 SUNTEST1	0.00
PO	SUN	SUN Microsystems Inc	53 11/20/97 SUNTEST1	0.00

Part: 004024

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO	MBA	McBride & Associates	41 06/12/97 TIMTEST01	6.81
PO	MBA	McBride & Associates	41 06/12/97 TIMTEST01	6.81

Part: 370-2040-03

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	0.00
PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	0.00

Part: 370-2102-01

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	0.00
----	-----	----------------------	------------------------	------

(vmrecvr)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility

RECEIPTS BY PART

PAGE: 2

Part: * Part Description:

All Receipt Dates

Part: 540-2942-02

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO	SUN	SUN Microsystems Inc	41 06/12/97 TIMTEST03	125.00
----	-----	----------------------	-----------------------	--------

PO	SUN	SUN Microsystems Inc	41 06/12/97 TIMTEST03	125.00
----	-----	----------------------	-----------------------	--------

Part: 7005-01

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====

PO AAC Altair Aerospace Corp 45 08/27/97 EDF 1.00

Part: 78325045215

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====

PO BDC Branch Data Comm 44 11/13/97 0000000007 14.00

Part: 86133A03006

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====

PO BDC Branch Data Comm 44 11/13/97 0000000007 5.90

Part: A14-UBA1-9S-128EB

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====

PO SUN SUN Microsystems Inc 43 11/19/97 PMA0005349 14,097.00

Part: ABAH32P1200R

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO BDC	Branch Data Comm	48 11/18/97 TIM1	175.00	
--------	------------------	------------------	--------	--

Part: DB1385

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO BDC	Branch Data Comm	48 11/18/97 TIM1	1,558.02	
--------	------------------	------------------	----------	--

(vmrecvr) DATE: 12/04/97 TIME: 10:33

ECS Development Facility **RECEIPTS BY PART** PAGE: 3

Part: * Part Description:

All Receipt Dates

Part: SK-540

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
CR		39 05/25/97	0.000	
CR		39 05/25/97	0.000	
PO MBA	McBride & Associates	44 11/13/97 Timest2	13,455.00	
PO MBA	McBride & Associates	44 11/13/97 Timest2	13,455.00	

Part: SOLS-C

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
PO SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	60.00	

Part: TRAINING

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
PO ASC	Atria Software Corp	43 11/19/97 Timest1	1,480.00	

Part: X1025A

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	1,500.00

Part: X132P

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	0.00

Part: X311L

		DATE		
TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				
=====	=====	=====	=====	=====
=====	=====			
PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	0.00

(vmrecvr)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility

RECEIPTS BY PART

PAGE: 4

Part: * Part Description:

All Receipt Dates

Part: X5511A

DATE

TYPE ID	NAME	RECEIPT ENTERED	ORDER NUMBER	ITEM
PRICE				

=====	=====	=====	=====	=====
=====	=====			

PO	SUN	SUN Microsystems Inc	43 11/19/97 PMA0005349	1,920.00
----	-----	----------------------	------------------------	----------

(vmrecvr1)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility

RECEIPTS BY VENDOR

PAGE: 1

Part: * Part Description:

All Receipt Dates

Vendor:

DATE

RECEIPT ENTERED	PURCHASE ORDER	VENDOR	REFERENCE	PART OR
DESCRIPTION	ITEM	PRICE		

=====	=====	=====	=====	
=====	=====			

39 05/25/97		SK-540	0.000	
-------------	--	--------	-------	--

39 05/25/97		SK-540	0.000	
-------------	--	--------	-------	--

Vendor: AAC Altair Aerospace Corp

DATE

RECEIPT ENTERED	PURCHASE ORDER	VENDOR	REFERENCE	PART OR
DESCRIPTION	ITEM	PRICE		

=====	=====	=====	=====	
=====	=====			

45 08/27/97 EDF		7005-01	1.00	
-----------------	--	---------	------	--

Vendor: ASC Atria Software Corp

DATE

RECEIPT ENTERED	PURCHASE ORDER	VENDOR	REFERENCE	PART OR
DESCRIPTION	ITEM	PRICE		

=====	=====	=====	=====	
=====	=====			

43 11/19/97 Timtest1		TRAINING	1,480.00	
----------------------	--	----------	----------	--

Vendor: BDC Branch Data Comm

DATE

RECEIPT DESCRIPTION	ENTERED ITEM	PURCHASE PRICE	ORDER VENDOR	REFERENCE	PART OR
------------------------	-----------------	-------------------	-----------------	-----------	---------

=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====

44	11/13/97	0000000007	78325045215	14.00	
44	11/13/97	0000000007	86133A03006	5.90	
48	11/18/97	TIM1	ABAH32P1200R	175.00	
48	11/18/97	TIM1	DB1385	1,558.02	

Vendor: CMC Computer City

DATE

RECEIPT DESCRIPTION	ENTERED ITEM	PURCHASE PRICE	ORDER VENDOR	REFERENCE	PART OR
------------------------	-----------------	-------------------	-----------------	-----------	---------

=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====

52	11/19/97	qaz1	MTSUP	2,108.70	
52	11/19/97	qaz1	98-202-300	487.00	

Vendor: MBA McBride & Associates

DATE

RECEIPT DESCRIPTION	ENTERED ITEM	PURCHASE PRICE	ORDER VENDOR	REFERENCE	PART OR
------------------------	-----------------	-------------------	-----------------	-----------	---------

=====	=====	=====	=====	=====	=====
=====	=====	=====	=====	=====	=====

41	06/12/97	TIMTEST01	004024	6.81	
41	06/12/97	TIMTEST01	004024	6.81	
44	11/13/97	Timtest2	SK-540	13,455.00	

44 11/13/97 Timest2

SK-540

13,455.00

(vmrecvr1)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility

RECEIPTS BY VENDOR

PAGE: 2

Part: * Part Description:

All Receipt Dates

Vendor: NTI Network Technologies Inc

DATE

RECEIPT ENTERED	PURCHASE ORDER	VENDOR REFERENCE	PART OR DESCRIPTION	ITEM PRICE
-----------------	----------------	------------------	---------------------	------------

=====	=====	=====	=====	
=====	=====			

51 11/19/97 H24198	C165001	510.95		
--------------------	---------	--------	--	--

Vendor: SUN SUN Microsystems Inc

DATE

RECEIPT ENTERED	PURCHASE ORDER	VENDOR REFERENCE	PART OR DESCRIPTION	ITEM PRICE
-----------------	----------------	------------------	---------------------	------------

=====	=====	=====	=====	
=====	=====			

49 11/19/97 ken1	X132P	0.00		
49 11/19/97 ken1	A14-UBA1-9S-128EB	9,097.00		
50 11/19/97 ABC0005349	A14-UBA1-9S-128EB	9,097.00		

50 11/19/97 ABC0005349	X132P	0.00
50 11/19/97 ABC0005349	370-2102-01	0.00
50 11/19/97 ABC0005349	370-2040-03	0.00
50 11/19/97 ABC0005349	X1025A	1,500.00
50 11/19/97 ABC0005349	X5511A	1,920.00
50 11/19/97 ABC0005349	320-2040-03	0.00
50 11/19/97 ABC0005349	SOLS-C	60.00
53 11/20/97 SUNTEST1	2510A	7,200.00
53 11/20/97 SUNTEST1	370-1922-02	0.00
53 11/20/97 SUNTEST1	320-1072-01	0.00
43 11/19/97 PMA0005349	370-2040-03	0.00
43 11/19/97 PMA0005349	370-2040-03	0.00
43 11/19/97 PMA0005349	370-2102-01	0.00
41 06/12/97 TIMTEST03	540-2942-02	125.00
41 06/12/97 TIMTEST03	540-2942-02	125.00
43 11/19/97 PMA0005349	A14-UBA1-9S-128EB	14,097.00
43 11/19/97 PMA0005349	SOLS-C	60.00
43 11/19/97 PMA0005349	X1025A	1,500.00
43 11/19/97 PMA0005349	X132P	0.00
43 11/19/97 PMA0005349	X311L	0.00
43 11/19/97 PMA0005349	X5511A	1,920.00

98,734.30 Grand Totals:

(vmrecvr2)
12/04/97 TIME: 10:33

DATE:

ECS Development Facility
PAGE: 1

RECEIPT LIST BY PART

Part: *

All part descriptions

All vendor IDs

All vendor names

All Receipt Dates

QUANTITY	EXTENDED	DATE	ORDER
PART NUMBER	DESCRIPTION ID NUMBER RXD (suom) ITEM PRICE	RECEIPT ENTERED AMOUNT	TYPE
=====			
=====			
=====	=====	=====	=====
=====			
SUN	A14-UBA1-9S-128EB 1.0 9,097.00 9,097.00	50 11/19/97 PO	ABC0005349
4.0	X132P 0.00 0.00	50 11/19/97 PO	ABC0005349 SUN
1.0	370-2102-01 0.00 0.00	50 11/19/97 PO	ABC0005349 SUN
2.0	370-2040-03 0.00 0.00	50 11/19/97 PO	ABC0005349 SUN
1.0	X1025A 1,500.00 1,500.00	50 11/19/97 PO	ABC0005349 SUN
1.0	X5511A 1,920.00 1,920.00	50 11/19/97 PO	ABC0005349 SUN
2.0	320-2040-03 0.00 0.00	50 11/19/97 PO	ABC0005349 SUN
1.0	SOLS-C 60.00 60.00	50 11/19/97 PO	ABC0005349 SUN
4.0	C165001 510.95 2,043.80	51 11/19/97 PO	H24198 NTI
1.0	2510A 7,200.00 7,200.00	53 11/20/97 PO	SUNTEST1 SUN
1.0	370-1922-02 0.00 0.00	53 11/20/97 PO	SUNTEST1 SUN

320-1072-01	53 11/20/97 PO	SUNTEST1	SUN
1.0 0.00 0.00			
X132P	49 11/19/97 PO	ken1	SUN
4.0 0.00 0.00			
A14-UBA1-9S-128EB	49 11/19/97 PO	ken1	SUN
2.0 9,097.00 18,194.00			
MTSUP	52 11/19/97 PO	qaz1	CMC
2.0 2,108.70 4,217.40			
98-202-300	52 11/19/97 PO	qaz1	CMC
3.0 487.00 1,461.00			
004024	41 06/12/97 PO	TIMTEST01	MBA
100.0 6.81 681.00			
004024	41 06/12/97 PO	TIMTEST01	MBA
100.0 6.81 681.00			
370-2040-03	43 11/19/97 PO	PMA0005349	SUN
2.0 0.00 0.00			
370-2040-03	43 11/19/97 PO	PMA0005349	SUN
1.0 0.00 0.00			
370-2102-01	43 11/19/97 PO	PMA0005349	SUN
1.0 0.00 0.00			
540-2942-02	41 06/12/97 PO	TIMTEST03	SUN
100.0 125.00 12,500.00			
540-2942-02	41 06/12/97 PO	TIMTEST03	SUN
100.0 125.00 12,500.00			
7005-01	45 08/27/97 PO	EDF	AAC
2.0 1.00 2.00			
78325045215	44 11/13/97 PO	0000000007	BDC
10.0 14.00 140.00			
86133A03006	44 11/13/97 PO	0000000007	BDC
50.0 5.90 295.00			
A14-UBA1-9S-128EB	43 11/19/97 PO	PMA0005349	
SUN 1.0 14,097.00 14,097.00			
ABAH32P1200R	48 11/18/97 PO	TIM1	BDC
5.0 175.00 875.00			

DB1385			48 11/18/97 PO	TIM1	BDC
5.0	1,558.02	7,790.10			
SK-540			39 05/25/97 CR		1.0
0.000	0.00				
SK-540			39 05/25/97 CR		1.0
0.000	0.00				
SOLS-C			43 11/19/97 PO	PMA0005349	SUN
1.0	60.00	60.00			
X1025A			43 11/19/97 PO	PMA0005349	SUN
1.0	1,500.00	1,500.00			
X132P			43 11/19/97 PO	PMA0005349	SUN
4.0	0.00	0.00			
X311L			43 11/19/97 PO	PMA0005349	SUN
1.0	0.00	0.00			
X5511A			43 11/19/97 PO	PMA0005349	SUN
1.0	1,920.00	1,920.00			

=====

=====

98,734.30

Grand Total:

518.0

ECS Development Facility
1616A McCormick Drive
Upper Marlboro MD 20774 0000000016
USA

SUN

SUN POC

ECS Development Facility
1616A McCormick Drive
Upper Marlboro MD 20774
USA

STOCK

12/04/97 1

Net 30 Destination

SUN POC.

1	01/18/98	3	3,150.00	9,450.00
DELIVER TO ==> EDF				
2	01/18/98	3	1,482.00	4,446.00
DELIVER TO ==> EDF				
3	01/18/98	8	3,384.00	27,072.00
DELIVER TO ==> EDF				

This is a test report

this is line 2

** STATE TAX TOTAL: 0.00
** LOCAL TAX TOTAL: 0.00
MISCELLANEOUS CHARGES: 0.00
PURCHASE ORDER TOTAL: 40,968.00

RUN DATE: 12/04/97
1

Page No:

**EOSDIS
EQUIPMENT RELOCATION REPORT
BY ECN NUMBER**

NEW PARENT EIN: 00000038

ECN NUMBER: 00000013 USER CONTACT
Ambardekar

DATE ON-SITE WARRANTY EXPIRES: 12/31/98
USER PHONE (301)925-0490

WARRANTY END DATE: 12/31/98 LOCATION:

HTSC HELP CENTER PHONE: 1-800-ECS-DATA
BUILDING # 1616A

HTSC HELP CENTER HOURS ARE: 08:00 - 17:00 EST
ROOM #: 2150

DATE RECEIVED: 02/18/94 HOST NAME:
HERON

CCR #: er3221 TT: er455

INSTALL

MFR	PRODUCT DESCRIPTION	MODEL/VERSION	PART
NUMBER	SERIAL NUMBER	PART ECN	DATE

=====

SUN	SPARCStation 10	10	S10TX-44-032-P4 403F1014
00000013	/ /		

SUN	20 Inch Color Monitor		365-1330-01 9341FC2352
00000627	/ /		

SUN	Keyboard	Type 5	320-1072-01 9329126935
EDF02869	/ /		

SUN	Mouse - 3 Button	Type 5	370-1398-02 MSCFC027713
EDF02870	/ /		

SUN	Speaker Box		540-2220-04 9403106143
EDF02871	/ /		

SUN 1.05 GB HD	ST11200N	TS875348
EDF02872 / /		
SUN Floppy - 3.5 Inch Drive - 1.44 MB	SUN-3.5FDD	9342852395
EDF02873 / /		
SUN FDDI - Single Attach Adapter Card with S		X1005A
5011732009251 EDF02874 / /		
SUN 16 MB RAM (1 x 16 MB SIMM)		X116F
EDF02875 / /		
SUN 16 MB RAM (1 x 16 MB SIMM)		X116F
EDF02876 / /		
SUN Motif Toolkit 1.2.2 MOT-P		EDF02877
/ /		
SYB SQL Svr/Opn Clin/C-SQL/C-SA Comp/SQL Mon 10.0.2		001-SP
EDF02878 / /		
TAR DCE Base Services 1.0.2		DC-L710-BASE
EDF02879 / /		
TAR DCE Application Development Tools 1.0.2		DC-L750-APPDEV
EDF02880 / /		
TAR DCE Application Development for SunOS 4-1 1.0.2a		DCE APP DEV
EDF02881 / /		
TAR DCE Application Development for SunOS 4-1 1.0.3		DCE APP DEV
EDF02882 / /		

RUN DATE: 12/04/97

Page No:

2

EOSDIS

EQUIPMENT RELOCATION REPORT

BY ECN NUMBER

TAR DCE Base Services for Solaris			DCE BASE
EDF02883 / /			
TAR DCE for Solaris 2.3	1.0.2a		DCE FOR SOL 2.3
EDF02884 / /			
TAR DCE Hard Copy Manuals	1.0.3a		K13-DCE103A
EDF02885 / /			
TAR DCE Hard Copy Manuals	1.0.3a		K13-DCE103A
EDF02886 / /			
SUN Support - Spectrum Silver Support			SILVER PGM
EDF02887 / /			
TAR Support - Software Support for Applicati			APP-DEV-SUPPORT
EDF02888 / /			
TAR Support - Software Support for DCE Base			BASE-SERV-SUPP
EDF02889 / /			
TAR Support - DCE Base Services Support			DC-S710-BASE
EDF02890 / /			
TAR Support - DCE Application Development To	1.0.2		DC-S750-APPDEV
EDF02891 / /			
SUN Solaris	2.2	SOL	EDF02892 / /
SUN Solaris	2.4	SOL	EDF02893 / /

(einstrep)
 12/04/97 TIME: 10:27
 ECS Development Facility
 PAGE: 1
 EINS:
 Number of levels: 99

DATE:

EIN STRUCTURE REPORT

00000001

Explosion quantity: 1
Date of bill: 12/04/97
ote1: This is a test!

Parent EIN: 00000001 Desc: INDGO XS Graphics Workstation
MFG Part: WB-R50XS-1G32 Desc: INDGO XS Graphics Workstation
Active date: **/**/** Inactive date: **/**/**

ACTIVE		INACTIVE		QUANTITY	
LEVEL	EIN	MFG PART		CONTROL ITEM ID	
MODEL/VERSION		PER	DATE	DATE	
=====					=====
=====					=====
=====		=====	=====	=====	=====
1	00000002	D3-M92A			HL7965KW-SG
0.0000	11/22/97 **/**/**	19 Inch Color Monitor 19 Inch Color Monitor			
1		00000003			P3-T13D
0.0000	11/22/97 **/**/**	Tape Drive - 1.3 GB - Tape Drive - 1.3 GB - 4 MM			
1		00000211			71S7-30DCC3
0.0000	11/22/97 **/**/**	2.5 GB HD - Single Enc2.5 GB HD - Single Enclosure 6400 RPM			
1		NSI02711			020404
0.0000	11/22/97 **/**/**	10 Base T Transceiver 10 Base T Transceiver			
1		NSI02712			MSEPAD
0.0000	11/22/97 **/**/**	Mouse Pads - 9x8 IncheMouse Pads - 9x8 Inches			

1	NSI02713	9150800
0.0000 11/22/97 **/**/**		
Mouse - 3 Button	Mouse - 3 Button	
1	NSI02714	9500801
0.0000 11/22/97 **/**/**		
Keyboard	Keyboard	
1	NSI02715	ETHNET T-T
0.0000 11/22/97 **/**/**		
Ethernet Thin-Thick	Ethernet Thin-Thick	
1	NSI02716	HU-C08C
0.0000 11/22/97 **/**/**		
8 MB SIMM RAM Chip	8 MB SIMM RAM Chip	
1	NSI02717	HU-C08C
0.0000 11/22/97 **/**/**		
8 MB SIMM RAM Chip	8 MB SIMM RAM Chip	
1	NSI02718	HU-C08C
0.0000 11/22/97 **/**/**		
8 MB SIMM RAM Chip	8 MB SIMM RAM Chip	

(einstrep)
12/04/97 TIME: 10:27
ECS Development Facility
PAGE: 2

DATE:
EIN STRUCTURE REPORT

EINs: 00000001
Number of levels: 99
Explosion quantity: 1
Date of bill: 12/04/97
ote1: This is a test!

ACTIVE INACTIVE QUANTITY

LEVEL	EIN	MFG PART	CONTROL ITEM ID
MODEL/VERSION	PER	DATE DATE	
1		NSI02719	HU-C08C
0.0000	11/22/97 **/**/**		
	8 MB SIMM RAM Chip	8 MB SIMM RAM Chip	
1		NSI02720	P3-525S
0.0000	11/22/97 **/**/**		
	Floppy Drive 3.5 Inch	Floppy Drive 3.5 Inch	
1		NSI02721	SD7-S10X
0.0000	11/22/97 **/**/**		
	1 GB HD	1 GB HD	
1		NSI02722	062002
0.0000	11/22/97 **/**/**		
	Tape Cart- 4 MM, 2 GB,	Tape Cart- 4 MM, 2 GB, 90 Meter	
1	NSI02723	IDL	4.0
0.0000	11/22/97 **/**/**		
	IDL	IDL	
1	NSI02724	M4-DPS	1.0.1
0.0000	11/22/97 **/**/**		
	Display Postscript Sys	Display Postscript Systems	
1	NSI02725	SC4-C++	3.2.1
0.0000	11/22/97 **/**/**		
	C++	C++	
1	NSI02726	SC4-DCE	1.0
0.0000	11/22/97 **/**/**		
	DCE Executive	DCE Executive	
1	NSI02727	SC4-FTN	4.0.1
0.0000	11/22/97 **/**/**		
	Fortran 77	Fortran 77	

1	NSI02728	SC4-IDO	5.2
0.0000	11/22/97	**/**/**	
IRIS Development OptioIRIS Development Option + Challenge			
1	NSI02729	SC4-NFS	4.0.1
0.0000	11/22/97	**/**/**	
Network File System Network File System			
1	NSI02730	M4-GLGT	4.1
0.0000	11/22/97	**/**/**	
Graphics Library DocumGraphics Library Documentation			
1	NSI02731	M4-MOTIF	2.0.1
0.0000	11/22/97	**/**/**	
Motif Developers DocumMotif Developers Documentation			
1	NSI02732	M4-UDS	4.0.1
0.0000	11/22/97	**/**/**	
IRIX Program Network IRIX Program Network			

(einstrep) DATE:

12/04/97 TIME: 10:27

ECS Development Facility

PAGE: 3

EIN: 00000001

Number of levels: 99

Explosion quantity: 1

Date of bill: 12/04/97

ote1: This is a test!

ACTIVE	INACTIVE	QUANTITY
LEVEL	EIN	CONTROL ITEM ID
MODEL/VERSION	MFG PART	
	PER DATE DATE	

1 NSI02743 026-7247-004 3.2.1
 0.0000 11/22/97 **/**/**

C++ Programming Lan. CC++ Programming Lan. Compliler UPD

1 NSI02744 026-7249-005 4.0.1
 0.0000 11/22/97 **/**/**

Fortran 77 Compiler UPFortran 77 Compiler UPD

There are 37 components in this bill.

(imtransr8)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility
 PAGE: 1

TRANSACTION HISTORY BY EIN

EIN RECVD	DESCRIPTION TRANS	ARCHIVE	RELOCATE	SHIP	
=====	=====	=====	=====	=====	
=====	=====	=====	=====	=====	
00000013	SPARCStation 10	0.00	1.00	0.00	0.00
00000225	Tape Drive - 5 GB - 4 MM	1.00	1.00	1.00	0.00
1.00					
00000434	SPARCStation 20-50 SX	2.00	1.00	3.00	0.00
2.00					

00000435	20 Inch Color Monitor	3.00	1.00	4.00	0.00	3.00
00000437 4.00	Small Uninterruptable Powe	4.00	1.00	5.00	0.00	
EDF000000000058		5.00	1.00	6.00	0.00	5.00
EDF06081	Keyboard	6.00	1.00	7.00	0.00	6.00
EDF06083 7.00	16 MB RAM (1 x 16 MB SIMM	7.00	1.00	8.00	0.00	
EDF06084 8.00	16 MB RAM (1 x 16 MB SIMM	8.00	1.00	9.00	0.00	
EDF06085 9.00	32 MB RAM (1x32 MB SIMM)	9.00	1.00	10.00	0.00	
EDF06086	Country Kit	10.00	1.00	11.00	0.00	10.00
EDF06087 11.00	1.05 GB HD - Internal	11.00	1.00	12.00	0.00	
EDF06088	1.05 GB HD	12.00	1.00	13.00	0.00	12.00
EDF06089	Motif Toolkit	13.00	1.00	14.00	0.00	13.00
EDF06090 14.00	SPARCWorks Professional C	14.00	1.00	15.00	0.00	

EDF06091 15.00	SPARCWorks	15.00	1.00	16.00	0.00
EDF06092 16.00	DCE Base Services	16.00	1.00	17.00	0.00
EDF06093 17.00	SQL Server Utility Progra	17.00	1.00	18.00	0.00
EDF06094 18.00	Open Client Open Server S	18.00	1.00	19.00	0.00
EDF06095 19.00	Open Client Open Server I	19.00	1.00	20.00	0.00
EDF06096 20.00	SQL Server Install Guide	20.00	1.00	21.00	0.00
EDF06097 21.00	Replication Server Instal	21.00	1.00	22.00	0.00
EDF06098 22.00	System Admin Guide Supple	22.00	1.00	23.00	0.00
EDF06099 23.00	SQL Server Error Messages	23.00	1.00	24.00	0.00
EDF06100 24.00	Connectivity Doc Set	24.00	1.00	25.00	0.00
EDF06101 25.00	DEC OSF Open Client OpenS	25.00	1.00	26.00	0.00

EDF06102 26.00	Replication Server Docume	26.00	1.00	27.00	0.00
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(imtransr8)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility
PAGE: 2

TRANSACTION HISTORY BY EIN

EIN RECVD	DESCRIPTION TRANS	ARCHIVE	RELOCATE	SHIP	
=====	=====	=====	=====	=====	
=====	=====	=====	=====	=====	
EDF06103 27.00	Replication Server Rls Bu	27.00	1.00	28.00	0.00
EDF06104 28.00	Rls Bulletin Replication	28.00	1.00	29.00	0.00
EDF06105 29.00	Support - Motif Toolkit S	29.00	1.00	30.00	0.00
EDF06106 30.00	Support - Spectrum Silver	30.00	1.00	31.00	0.00

EDF06107 31.00	Support - DCE Base Servic	31.00	1.00	32.00	0.00
EDF06108 32.00	SPARCWorks Professional C	32.00	1.00	33.00	0.00
EDF06109	Solaris	33.00	1.00	34.00	0.00
				33.00	

(imtransr5)

DATE: 12/04/97 TIME: 10:33

ECS Development Facility
PAGE: 1

TRANSACTIONS FOR SPARES

			FROM	CUSTOMER	VENDOR		EXTENDED
VALUE	DATE	TIME	OEM PART	LOCN	ID	ID	QUANTITY

(screen wostatr)

DATE: 12/04/97

TIME: 10:51

ECS Development Facility

WORK ORDER STATUS

PAGE: 1

Parent EIN: * F0000067

All Statuses

Work Order: EDF0000067

Status:

Parent EIN: 00000001

OEM Part: WB-R50XS-1G32

OEM Desc: INDGO XS Graphics Workstation

Location: NSIDC

Building: NSIDC

Room: 253

User:

Name:

RUN DATE: 12/04/97

Page No:

1

**EOSDIS
EQUIPMENT TRANSFER/RECEIPT REPORT
BY ECN NUMBER**

ECN NUMBER: 00000434
Gallagher

USER CONTACT:

DATE ON-SITE WARRANTY EXPIRES: 11/16/89
USER PHONE: (301)925-0733

WARRANTY END DATE: 11/16/89 LOCATION:
ECS Development F

HTSC HELP CENTER PHONE: 1-800-ECS-DATA
BUILDING #: 1616A

HTSC HELP CENTER HOURS ARE: 08:00 - 17:00 EST
ROOM #:

DATE RECEIVED: 12/01/94 HOST NAME:
DEEPSEA

CCR #: 12qaaq TT: 03qaaq

INSTALL

MFR	PRODUCT DESCRIPTION	MODEL/VERSION	PART
NUMBER	SERIAL NUMBER	PART ECN	DATE

=====

=====

SUN	SPARCStation 20-50 SX	20-50 SX	S20SX-50
00000434	/ /		

SUN	Tape Drive - 5 GB - 4 MM			X822A
00000225	/ /			
SUN	20 Inch Color Monitor			365-1324-01
00000435	/ /			
TLI	Small Uninterruptable Power Supply (UPS)			BC-1250
00000437	/ /			
SUN	Mouse - 3 Button	Type 5		370-1398-02
EDF000000000	/ /			
SUN	Keyboard	Type 5		320-1072-01
EDF06081	/ /			
SUN	16 MB RAM (1 x 16 MB SIMM)			X116P
EDF06083	/ /			
SUN	16 MB RAM (1 x 16 MB SIMM)			X116P
EDF06084	/ /			
SUN	32 MB RAM (1x32 MB SIMM)			X132P
EDF06085	/ /			
SUN	Country Kit	Type 5	X3540A	EDF06086
/ /				
SUN	1.05 GB HD - Internal			X546A
EDF06087	/ /			
SUN	1.05 GB HD		X649A	EDF06088
/ /				
SUN	Motif Toolkit	1.2.2	MOT-P	EDF06089
/ /				
SUN	SPARCWorks Professional C++		4.0.1	SCP-P
EDF06090	/ /			
SUN	SPARCWorks		3.0.1	SW-S
EDF06091	/ /			
TAR	DCE Base Services		1.0.2	DC-L710-BASE
EDF06092	/ /			
SYB	SQL Server Utility Programs Unix			30475
EDF06093	/ /			
SYB	Open Client Open Server Supplement			32695
EDF06094	/ /			

SYB	Open Client Open Server Install Guide		34316
EDF06095	/ /		
SYB	SQL Server Install Guide	34541	EDF06096
/ /			
SYB	Replication Server Install Guide		34921
EDF06097	/ /		
SYB	System Admin Guide Supplement		35291
EDF06098	/ /		
SYB	SQL Server Error Messages		38574
EDF06099	/ /		
SYB	Connectivity Doc Set	49040	EDF06100
/ /			
SYB	DEC OSF Open Client OpenServer Documenta		49622
EDF06101	/ /		
SYB	Replication Server Documentation Set		49800
EDF06102	/ /		
SYB	Replication Server Rls Bull Update		71016
EDF06103	/ /		
SYB	Rls Bulletin Replication Server		72077
EDF06104	/ /		
SUN	Support - Motif Toolkit Support		MOT-LIC
EDF06105	/ /		
SUN	Support - Spectrum Silver Support		SILVER PGM
EDF06106	/ /		
TAR	Support - DCE Base Services Support		DC-S710-BASE
EDF06107	/ /		
SUN	SPARCWorks Professional C++ License to U		SCP-LIC
EDF06108	/ /		
SUN	Solaris	2.3	SOL
			EDF06109 / /

4.3.4.8.2 Report Customization -TBS

4.3.5 Software Distribution

This section describes the software distribution tool used by DAAC operators:

- Tivoli/Courier

4.3.5.1 About Tivoli/Courier

Tivoli/Courier (T/Courier), a COTS product, is based on the Tivoli Management Platform (TMP), an architecture and a set of tools for managing client/server systems. T/Courier adds software distribution capability to the Tivoli management environment and thus enables the M&O staffs at the SMC and the DAAC sites to distribute ECS software, database information, and software documentation as well as commercial software across a multi-platform ECS network. In essence, T/Courier provides a centralized software distribution capability to add new software, update existing software with newer versions, and synchronize software on distributed systems.

To accomplish software files distribution activity using T/Courier, it must be installed on all host platforms that will be involved in the distribution. Once installed, T/Courier enables the creation and distribution of profiles (file packages) from one UNIX host to another host or hosts. The file package defines the source path of the files and/or directories to be distributed, defines the destination path of the files and/or directories being distributed, and contains specific instructions on how to set up the files on the receiving platform. T/Courier can distribute a file package to a single host platform or to multiple host platforms concurrently. The distribution can be set up to occur immediately or at some scheduled time.

T/Courier has a graphical user interface (GUI) and a command line interface (CLI). The GUI provides basic software distribution capability through a set of GUI screens. The CLI provides basic distribution capability and other capability (for more advanced users) through a set of T/Courier commands. The GUI capability is described in this section. Refer to the T/Courier User's Guide and Reference manuals for information on the CLI capability.

The most frequently used software distribution functions are listed in Table 4.3.5-1.

Table 4.3.5-1. Common ECS Operator Functions Performed with T/Courier

Operating Function	Command/Script or GUI	Description	When and Why to Use
Create file package	Series of GUIs	Create a definition of a package that points to specific files for distribution	Use when there is a new set of files to be distributed or when updates needs to be distributed.
Preview file package	GUI	Preview the contents of a file package	Use to check the listing of files and/or directories that are about to be distributed.
Distribute file package	GUI	Distribute software files.	Use to distribute software to specified hosts.
Schedule distribution	GUI	Schedule distribution of files.	Use to initiate distribution activity and cause it to occur at some predetermined date and time.
Remove file package	GUI	Remove file package from hosts.	Use to remove distributed file packages from the hosts that received them.

4.3.5.1.1 Quick Start Using Tivoli/Courier and GUI Overview

This section presents an orientation of T/Courier. The underlying assumption is that:

- Tivoli and T/Courier has been installed on all of the platforms that will be involved in the distribution
- The user has been granted administrator privileges for T/Courier activity. Location of the files to be distributed should be known in advance of executing Courier. The files' location will be entered into one of the Courier screens.

4.3.5.1.1.1 Invoke Tivoli/Courier

To initiate the execution of T/Courier, log into a Unix platform that has T/Courier installed and enter the following commands:

```
source /etc/Tivoli/setup_env.csh  
tivoli
```

4.3.5.1.1.2 Tivoli/Courier Graphical User Interface

Upon execution, T/Courier will display its logo screen and then its main GUI screen as shown in Figure 4.3.5-1. This screen facilitates software distribution activity through a series of icons and dialogs. The top part of the screen holds the icons needed to get things started and the bottom part will display the type of process and the results of the process that is initiated.



Figure 4.3.5-1. T/Courier Main Screen

4.3.5.1.1.2.1 Establish Policy Region

Before using T/Courier to distribute software, system resources must be identified and organized for distribution activity. T/Courier uses policy regions to enable organization of software distribution activity. A policy region is a collection of resources that share one or more common policies and it must be created before any distribution can occur.

Create a policy region by clicking the “Create “ menu on the T/Courier main screen (see Figure 4.3.5-2) and select “Region.” Upon selection of the “Region” option, a Create Policy



Figure 4.3.5-2. T/Courier (Create Menu)

Region screen will appear as shown in Figure 4.3.5-3. Enter a descriptive name for the region that you're about to create and then click the "Create and Close" button.



Figure4.3.5-3. T/Courier (Create Policy Region Screen)

At this point a new policy region (for example, DAAC S/W Distrib.) has been created, its icon appears on the T/Courier Main Screen, and the status part of the T/Courier main screen reflects the status of the "Create Policy Region" action as shown in Figure 4.3.5-4

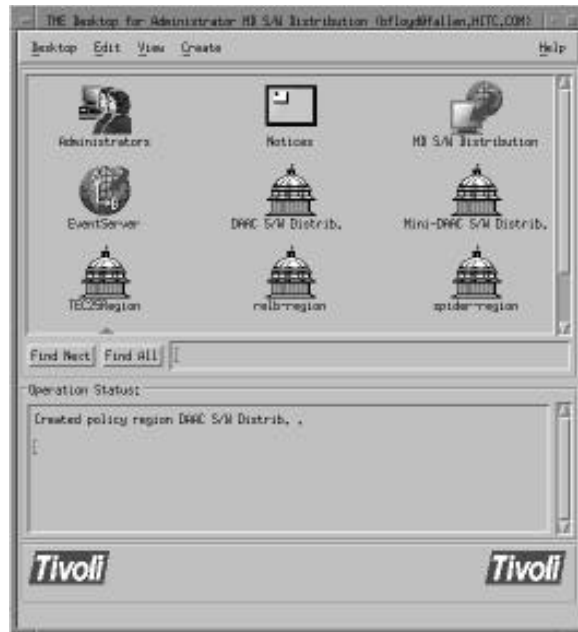


Figure 4.3.5-4. T/Courier (Operation Status, Main Screen)

4.3.5.1.1.2.2 Select Managed Resources

Once established, a policy region has to be defined in terms of the resources that it will managed. Double click the new policy region's icon to bring up the first of several screens that has to be completed . The Policy Region screen is displayed as shown in Figure 4.3.5-5. Click the "Properties" menu and then select the "Managed Resources " option. This causes



Figure 4.3.5-5. T/Courier (Policy Region, Properties Menu)

the "Set Managed Resources" screen to appear as shown in Figure 4.3.5-6. The "Set Managed Resources" screen enables the selection of resources to be managed. For software distribution

activity, FilePackage and ProfileManager are the resources to select and move from the Available Resources side to the Current Resources side of the “Set Managed Resources” screen. Click the “Set and Close” button to save the selections.



Figure 4.3.5-6. T/Courier (Set Managed Resources Screen)

4.3.5.1.1.2.3 Create Profile Manager

A policy region is made up of profile managers. A profile manager contains one or more profiles. A profile is also called a file package and it describe the location, path and other characteristics of the files to be distributed. To set up a profile manager, click the “Create” menu on the Policy Region screen as shown in Figure 4.3.5-7. Then select the ProfileManager option.

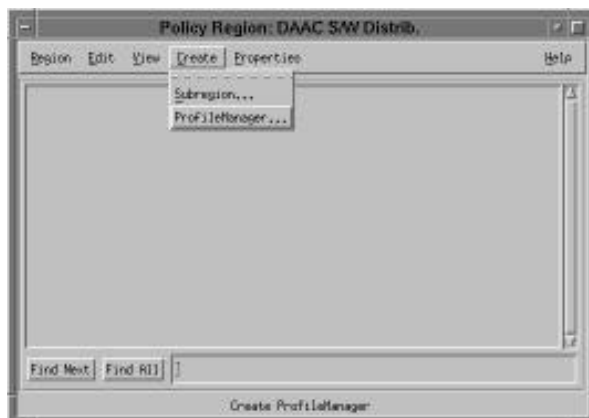


Figure 4.3.5-7. T/Courier (Policy Region, Create Menu)

Selection of the ProfileManager option causes the “Create Profile Manager” screen to appear. See Figure 4.3.5-8. Enter a descriptive name for the profile manager being created. Suggest that the profile manager’s name be indicative of the type of profiles that it will contain. A discernible profile manager name will enable one to ascertain the type of profiles the manager holds. This will be particularly useful when other profile managers are added to the region as it will preclude

your having to go into a profile manager to determine what profiles (file packages) it controls. Click the “Create & Close” button to save your entry.



Figure 4.3.5-8. T/Courier (Create Profile Manager Screen)

The Policy Region screen will now display an icon for the newly created profile manager as shown in Figure 4.3.5-9 below.

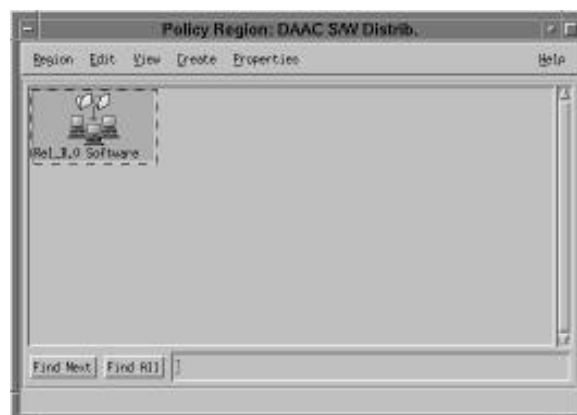


Figure 4.3.5-9. T/Courier (Create Profile Manager Screen)

4.3.5.1.1.2.4 Create Profile

A profile or file package must be created for the Profile Manager to managed. A profile is a description of a set of files that will be distributed to the subscribing platforms. Double click the newly created profile manager’s icon to bring up the Profile Manager (Rel_B0_Software) screen. Click the “Create” menu on the Profile Manager Screen and then select the “Profile” option as shown in Figure 4.3.5-10.



Figure 4.3.5-10. T/Courier (Profile Manager Create Menu)

A “Create Profile” screen is displayed as shown in Figure 4.3.5-11. Enter a descriptive name in the “Name/Icon Label” window.



Figure 4.3.5-11. T/Courier (Create Profile Screen)

for the profile. Recommend that the chosen name be indicative of the type or category of software files that will be in the profile (file package). Click the “Create & Close” button to store your entry and then go back to the Profile Manager screen. The Profile Manager now has one profile as shown in Figure 4.3.5-12.



Figure 4.3.5-12. T/Courier (Profile Manager w/Profile Screen)

4.3.5.1.1.2.5 Define Profile

The newly created profile (file package) has to be defined. Double click the newly created profile’s icon to initiate the definition process. The File Package Properties screen is then displayed as shown in Figure 4.3.5-13. Enter the name of the source host, host where a copy of the files to be distributed will reside, in the Source Host box. Enter the path (s) to the source files in the Directories & Files box.

For General Options, select “Stop distribution on error” option and the “Descend into directories” option (Note, selection of the “Descend into directories” option will caused the sub-directories of the listed directories to be distributed as well. If the “Descend” option is not selected, only the top level of the specified directory will be distributed; its sub-directories (if any) will not be distributed).

For File Mode at Destinations Option, select Preserve mode of source files. However, if you need to change the mode of the files at the destination, select the “Change mode of” line and then enter the new mode.

For Log Information Options, select “Send to Courier notice group” and “Send to log file on” option. Enter the name of the host that will hold the log file and the path to the log file.

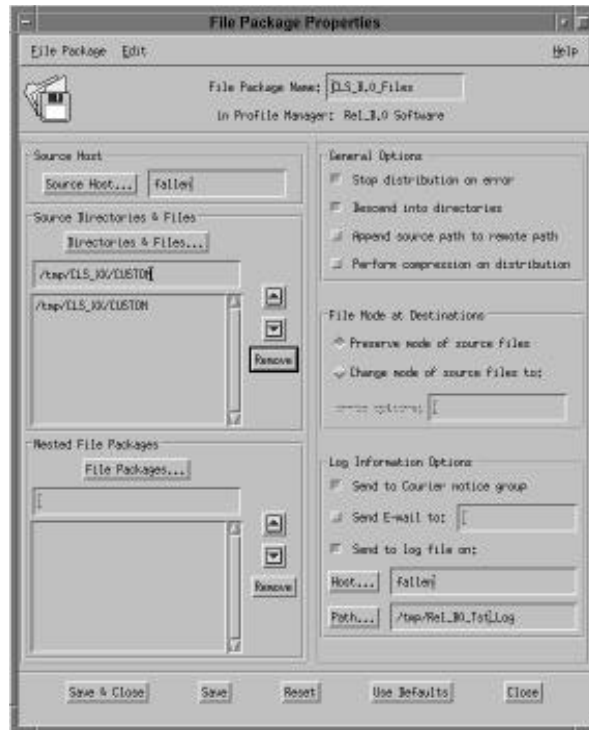


Figure 4.3.5-13. T/Courier (File Package Properties Screen)

[Note, always establish a log file. T/Courier will send a detailed status message to an identified log file. Otherwise, only a brief error message and the brief message sent to the Operation Status box on the main screen are provided and there is usually insufficient information to determine the cause of a problem in the Operations Status Box. Note also that the T/Courier default for writing messages to a log file is to overwrite the contents of the log file each time an entry is made to the log. This default can be changed so that messages are appended to the log file each time an entry is made. The Tivoli Courier User's Manual explains how to change the log file default and also provides a detailed description of the other settings and options.]

This completes the necessary entries for the File Package Properties screen.

4.3.5.1.1.2.6 Establish UNIX Options

T/Courier can distribute software files to platforms having different operating systems. Therefore, certain T/Courier options are operating system specific. Since ECS platforms are Unix platforms, this section will cover the use of the File Package Unix Option Screen. Refer to the T/Courier User's Manual for the use of other operating systems options screens. To set up the File Package Unix Options Screen, first click the Edit menu on the File Package Properties screen. Select the Platform-Specific Options and then the UNIX Options as shown in Figure 4.3.5-14. The File Package UNIX Options screen is then displayed

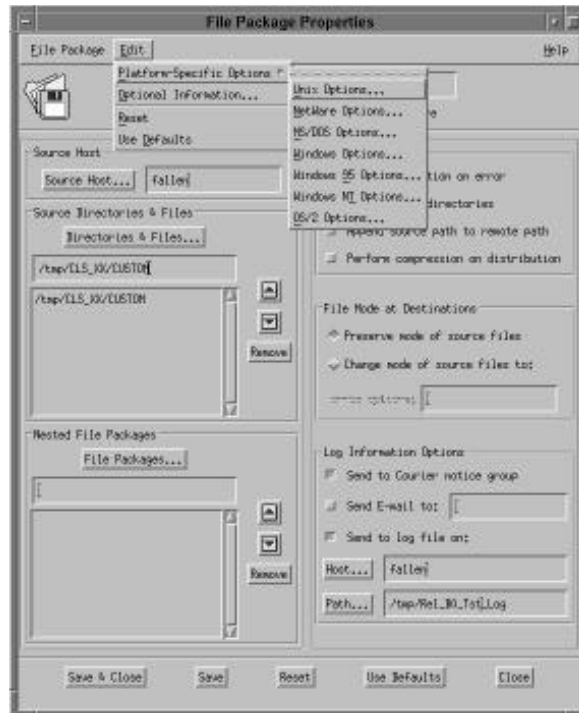


Figure 4.3.5-14. T/Courier (File Package Properties, Edit Menu)

as shown in Figure 4.3.5-15. On the File Package UNIX Options screen, enter the path in the

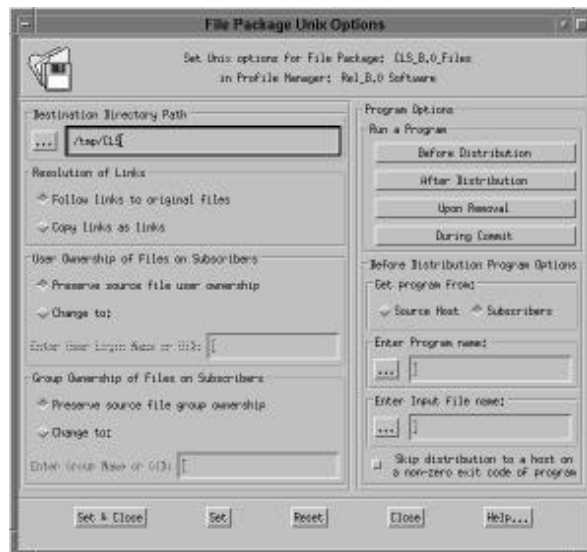


Figure 4.3.5-15. T/Courier (File Package UNIX Options Screen)

Destination Directory Path box where the files are to be placed on the destination (receiving) host.

[Note of caution: Make sure that the Destination Directory Path being entered is correct. T/Courier operates at the root level. If the specified directory/files names already exist on the destination platform, T/Courier will overwrite them. If the destination directory path does not exist on the destination platform, T/Courier will create the path and then install the files.]

Allow the default selections (Follow links to original files; Preserve source file user ownership; and “Preserve source file group ownership) to stand or select options desired.

The “Program Options” enables an advanced T/Courier user to execute programs or UNIX scripts at some point during the distribution process. Refer to the T/Courier User’s Manual for use of the “Program Options.” Click the “Set & Close” button to store your entries and selections. On the File Package Properties screen, click the “Save and Close” button.

This concludes the definition of the file package.

4.3.5.1.1.2.7 Select Subscribers

Subscribers (hosts) that will receive the profile, must be identified for the profile manager. On the Profile Manager screen, click the Profile Manager menu and select the “Subscriber” option (as shown in Figure 4.3.5-16) to identify subscribers for the profile manager, “Rel_B.0 Software.”

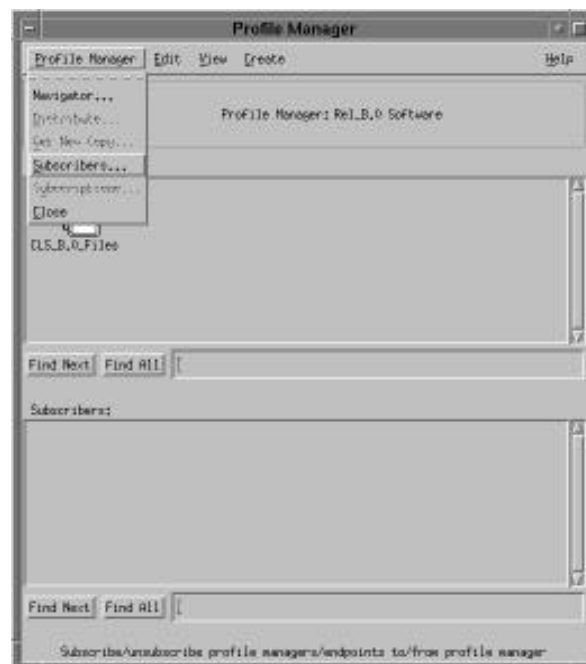


Figure 4.3.5-16. T/Courier (Profile Manager, Profile Manager Menu)

Upon selection of the Subscribers option, the Subscribers screen is displayed. Select and move appropriate subscribers from the “Available to become Subscribers” side to the “Current Subscribers” side of the Subscribers screen. For software distribution purposes, the appropriate “Managed_Node” should be moved to the Current Subscribers side. [Note, the “Current Subscribers” side is always initially blank. Figure 4.3.5-17 is showing subscribers that have already been moved to the “Current Subscribers” side.] Click the “Set Subscription & Close” button to save your selections.



Figure 4.3.5-17. T/Courier (Set Subscribers Screen)

The Profile Manager, Rel_B.0 Software, now consists of a profile and a set of subscribers as shown in Figure 4.3.5-18.



Figure 4.3.5-18. (Complete Profile Manager Screen)

4.3.5.1.1.2.8 Distribute Software

Once a profile has been defined, software distribution can take place. On the Profile Manager Screen, First click the profile's icon and then click the appropriate subscriber(s) icon. See Figure 4.3.5-19. Next, click Profile Manager menu and select the Distribute option. In Figure 4.3.5-19 the profile, CLS_B.0_Files, and a subscriber, calahans, have been selected.



Figure 4.3.5-19. T/Courier (Profile Manager, Distribution Option)

The “Distribute Profiles” screen is displayed as shown in Figure 4.3.5-20. Click the “Distribute Now” button to initiate distribution activity immediately. Note, that there is also a “Schedule” button which enables the scheduling of distribution to occur at some other time. Refer to the T/Courier User’s Manual for information on the use of this feature.



Figure 4.3.5-20. T/Courier (Profile Manager, Distribution Option)

When the “Distribute Profiles” screen disappears, the distribution activity is completed.

4.3.5.1.1.2.9 Check Status of Software Distribution

Go back to the T/Courier main screen and check the Operation Status box for results of the distribution. See Figure 4.3.5-21 for an example of the Operation Status display. For a detailed description of the distribution process, check the log file.

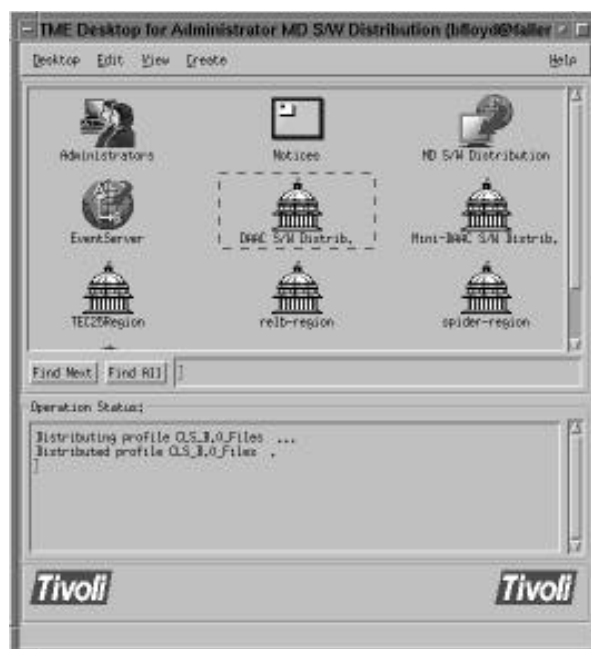


Figure 4.3.5-21. T/Courier (Main Screen, Distribution Status)

The Log file (if set up on the File Package Option screen as in Figure 4.3.5-13) will always provide a more definitive description of the distribution process. For example, contents of the logfile, Rel_B0_Tst_Log, for the above distribution are as follows:

```
File Package:  "CLS_B.0_Files  "
Operation:     install  (m=5)
Finished:      Fri Jun 13 10:39:28 1997
-----
Source messages:
<none>
-----
calahans:SUCCESS
/tmp/CLS      : creating path
=====
```

This log file's content indicates that the software distribution to the subscribing host, calahans, was successful. If an error occurs during distribution and/or the distribution is not successful, the log file will contain a detailed message concerning the problem and it will indicate that the software distribution to the listed platform failed.

4.3.5.1.2 Creating Additional Profiles

Additional profiles for a profile manager can be created by repeating the aforementioned procedure or by making clones of the profile created previously. Cloning a profile produces a duplicate of the profile being cloned in terms of its definition. If there are a large number of profiles that have to be created with the same settings but different source directory and files and/or destination directory, cloning will save time a lot of profile preparation time and insure settings consistency among the profiles.

To clone a previously created profile, click and highlight the profile to be cloned as shown on the Profile Manager's screen (Figure 4.3.5-22). Then click the "Edit" menu on that screen.



Figure 4.3.5-22. T/Courier (Clone Option)

On the drop down menu, click the "Profiles" option and then click the "Clone" option on the next drop down menu. The "Clone Profile" screen will appear as shown in figure 4.3.5-23. The "Clone Profile" screen enables one to create one clone and then close the screen or one can create many clones before closing the screen. If there are more than one clone to be created, enter the name of the new profile into the "Name" box and click the clone button. The newly created profile will appear on the "Profile Manager" screen (see Figure 4.3.5-24) and the "Clone Profile" screen's Name/Icon Label box will be cleared so that another new profile's name can be entered. Repeat this process until all of the profiles have been

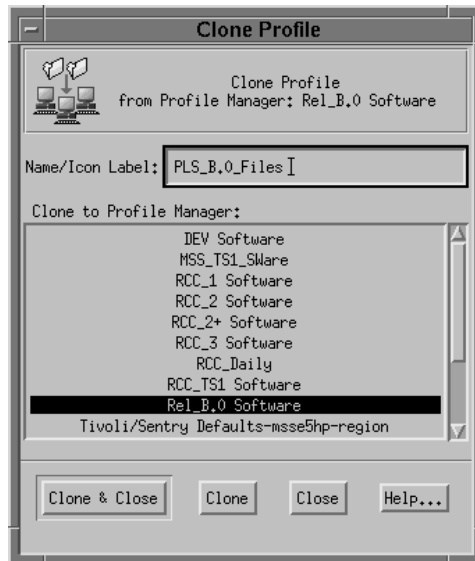


Figure 4.3.5-23. T/Courier (Clone Name)

created. When the name of the last profile has been entered, click the “Clone and Close”

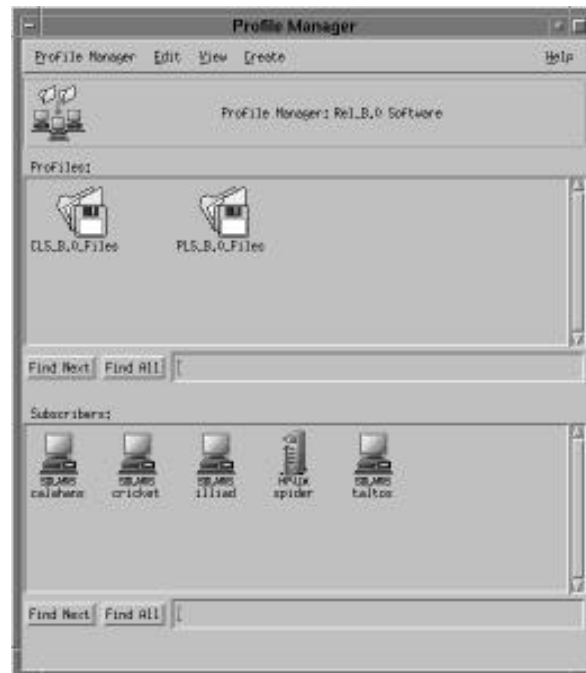


Figure 4.3.5-24. T/Courier (Main Screen, Profile Clone)

button. If there is only one clone to be created, enter the name of the new profile into the “Name/Icon Label” box and then click the “Clone and Close” button. The newly created profiles will be displayed on the Profile Manager screen and this completes the creation process.

Now, the definition of the clone profile have to be revised before it can be used in software distribution activity. For each clone profile, click the profile’s icon and bring up its File Package Properties screen (as described in Section 4.3.5.1.1.2.5) revise the source directory/files section. Then bring up the File Package Unix Options screen (as described in Section 4.3.5.1.1.2.6) and revise the destination directory path if necessary. Once the source directory/files and the destination path has been appropriately revised, the profile is ready to be used in software distribution activity.

4.3.5.1.2 Required Operating Environment

T/Courier requires a UNIX platform as the source files’ host. The target or destination platforms can be UNIX platforms or PC’s. ECS T/Courier is used on Sun hosts (Solaris 2.5 OS), Hewlett Packard hosts (HP 9.0.5 OS), and SGI (SGI Irix 6.2) hosts.

4.3.5.1.2.1 Interfaces and Data Types

Not applicable.

4.3.5.1.2.2 Configurable Parameters - TBS

Table 4.3.5-2. Configurable Parameters

Operator Task	File name	Range of Values	Source (pathname)	Tool/ Change Control	Description

4.3.5.1.2.3 Environment Variables

Not Applicable

4.3.5.1.3 Databases

TBS

4.3.5.1.4 Special Constraints

One must be an administrator to create the regions and associated components.

4.3.5.1.5 Command Line Interface

Refer to the T/Courier User’s Manual for command line interface capabilities.

4.3.5.1.7 Event and Error Messages

All event and summary error messages are displayed in the Operation Status box, main screen. Detailed messages would be placed in the log file, if one is established as described in Section 4.3.5.1.1.2.5.

4.3.5.1.8 Reports

Not Applicable

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